

SOURCES ON MALAYSIAN DISSERTATIONS AND ACADEMIC RESEARCH ACTIVITIES

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ABSTRACT

Identifies available sources of information on Malaysian dissertations submitted to local or foreign universities and held at the various research and academic libraries. Includes published sources reporting and listing research activities comprising general and specialised bibliographies and listings of published research and consultancy work undertaken (include articles published in journals, papers presented at conference proceedings, books and research reports authored, edited, translated and compiled). The local universities are the main publishers of such listings while government agencies and research institutions contribute sporadic titles. The distributed efforts by the various institutions clearly hinder the visibility and access to such materials. Suggests closer collaboration among publishers involved to make a union database a reality.

Keywords: Theses; Research publications; Bibliographies; Dissertations; Project papers; Academic research; Malaysian sources

INTRODUCTION

Malaysian postgraduate researchers often face problems in tracking information about local researches which is needed in the early "literature gathering" phase of their own research. These problems include: identifying researches already undertaken so as to avoid unnecessary duplication; locating other researchers in similar areas of research interests; ascertaining that their proposed research is the first of its kind in the country; and collocating and reading all relevant published research works to satisfy the necessary exercise of reviewing

literature within their field of study. Malaysian postgraduate researchers therefore, need easy access to bibliographic reference sources which act as "pointers" to available research publications. These reference sources refer to published listings, bibliographies, abstracts and indexes which cover research output such as theses, graduate research exercises, and information about research activities such as, topics of research undertaken, published research results in journal or conference proceedings, consultancy and research reports. Searching, identifying, verifying and reading the relevant

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literature are an integral parts of the research training and the availability and use of such bibliographic reference sources have a role to play in the reduction of researcher's searching time as well as in making the search more exhaustive and organised. To locate the relevant materials is often an elusive affair especially to the young researcher. Several factors contribute to this difficult situation. Firstly, there are various universities and research institutions involved in publishing such reference sources, in their effort to bibliographically control the research output of their staff and students. To the meticulous researcher this means searching of the library catalogues of the various universities which lengthen researchers' literature search time. Secondly, such reference sources are published in limited number and more often cannot be bought from local book agents. They are also usually distributed freely to various institutions within the country. Therefore, unless the researcher is fortunate enough to be in an institution where all such sources are available, he would have to visit the various institutions to search their catalogues on site or use an online facility to access the various institutions' online public access catalogues.

OBJECTIVE

The objective of this paper is to identify the various general and specialised listings, bibliographies, indexes and abstracts that document Malaysian dissertations and research activities. Dissertations refer to master's and doctoral dissertations or theses, undergraduate and postgraduate diploma

research reports or academic graduation exercises submitted to local or foreign universities held at local academic and research institutional libraries. Academic research activities refer to reports of researches undertaken; books or part of a book authored, edited, translated/compiled; journal articles, conference papers published; oral presentations and consultancy work undertaken.

METHODS

Searches were made of the online public access catalogue of six university libraries namely: Universiti Malaya Library (UML) (telnet 202.185.96.1, user name: OPAX); National Library of Malaysia(NLM)(telnet161.142.132.123); Universiti Kebangsaan Malaysia Library (UKML)(telnet 202.185.48.2); Universiti Teknologi Malaysia Library (UTML) (telnet 161.139.36.1, login: OPAC); Universiti Sains Malaysia Library(USML) (telnet 161.142.15.20, login: Opac) and Universiti Putra Malaysia Library (UPML) (telnet 202.184.24.149). Some of the sources were examined individually to ascertain contents, coverage and arrangement of entries. From the title of sources collected, it was possible to identify;

- (a) general theses listings published by the various universities and research institutions;
- (b) special theses listings published by the various university faculties; and
- (c) listings which cover research activities and publications.

FINDINGS

(a) General Theses Listing

General theses listing refers to listings which cover the total theses and graduation exercises submitted to an institution and deposited in the institution's library regardless of the faculty. This collection usually includes theses held in the branch libraries as well. Currently, there is no union listing of theses submitted to local universities which is equivalent to *Dissertations Abstracts Ondisc* (University Microfilms International, Ann Arbor, Michigan). Most Malaysian theses listings are published by various universities and research institutions. It is estimated that there are about 40 general theses listings published which can be grouped into three categories: those listing (with or without abstracts) the total theses holding of individual institutions comprising theses submission to the individual university itself as well as those obtained or bought from other sources; those listing only postgraduate theses; and those listing only graduation exercises or final year research reports. In most of the listings examined, entries are arranged either under broad disciplines/faculties and under each discipline /faculties, arrangement is alphabetical by authors' names. This is followed by an author/subject index or by type of submission (post graduate theses followed by academic exercises or vice versa) and then followed by author or subject indexes. A number of the listings provide parallel titles in the Malay and English language. Table 1 indicates the number of general theses listings published by the various

institutions, the earliest and the latest years of publication. The table indicates that a total of 40 general theses listings have been published; 10 by UKM; 6 UM; 4 USM; 3 UPM and UTM each and 14 by other research institutions.

The complete general listing is provided in the Appendix.

UKM Library publishes the largest number of general thesis listings. The earliest listing entitled, *Tesis dan latihan ilmiah Universiti Kebangsaan Malaysia 1973-1977 = Theses and academic exercises Universiti Kebangsaan Malaysia*, was compiled by Zainal Azman bin Rajudin and Mohd Ghazali bin Abbas and published as part of a series entitled, *Senarai rampaian; no.8* in 1977. The thesis titles were listed in two parts. Part 1 contains 1,095 thesis titles submitted for the master's and doctoral degrees to UKM. Entries are arranged by three faculties: social sciences and humanities; sciences and the Institute of Malay Language, Literature and Culture. Part 2 listed academic exercises submitted to four faculties (the three mentioned above as well as the Faculty of Islamic Studies). Bibliographic details provided include author, title, type of theses and year of submission. The second edition to this listing, *Tesis dan latihan ilmiah Universiti Kebangsaan Malaysia 1973-1979 = Theses and academic exercises Universiti Kebangsaan Malaysia*, was published in 1980 covering submissions between 1973-1979. The revised edition also indicated an increase in total entries comprising altogether 1,356 graduation exercises and 15 master's and doctoral theses. The theses submissions were

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made to five faculties with the addition of the Faculty of Economics and Administration. From 1984 onwards, separate listings were published to include only the graduation exercises and postgraduate theses, perhaps due to a substantial in annual submissions. The

Table 1: General Theses Listings

Institutions	No. Published N=40	Earliest/Latest Year of Publication
UKM	10	1977-1990
UM	6	1974-1995
UPM	3	1979-1983
USM	4	1979-1988
UTM	3	1981-1992
NUS/NTU	6	1979-1981
OTHERS	8	1979-1997

graduation exercises were published separately annually between 1984 to 1990 under the title *Latihan ilmiah Universiti Kebangsaan Malaysia: edisi tambahan* [Graduation exercise, Universiti Kebangsaan Malaysia: Supplementary edition], compiled by Ding Tien Moi, Hafsah Mohammed and Rosnah Yusof. The graduation exercise titles were published in 1991 as a two-volume cumulative listing entitled, *Latihan ilmiah Universiti Kebangsaan Malaysia 1973-1989* [Graduation exercise Universiti Kebangsaan Malaysia 1973-1989]. It contained about 6,992 entries arranged under 12 faculties and centres in UKM. The master's and doctoral theses were listed separately under the following titles; *Tesis sarjana dan doktor falsafah Universiti Kebangsaan Malaysia 1973-1983: sebuah abstrak* [Master's and doctor of

philosophy theses Universiti Kebangsaan Malaysia 1973-1983: an abstract] compiled by Ali Haji Ahmad and published in 1984 which covers only those theses submitted to UKM and *Tesis sarjana dan doktor falsafah dalam koleksi Perpustakaan Universiti Kebangsaan Malaysia* [Master's and doctor of philosophy theses held at the Universiti Kebangsaan Malaysia Library] (1988) which includes theses acquired by UKM from other universities and University Microfilm International, USA. The latter listed 4,566 doctoral and 8,300 master's dissertations and was updated in 1989 by *Tesis sarjana dan doktor falsafah dalam koleksi Perpustakaan Universiti Kebangsaan Malaysia: edisi tambahan* [Master's and doctor of philosophy theses held in the collection of the Universiti Kebangsaan Malaysia Library], compiled by Ding Ten Moi, Abu Bakar Maidin and Zuraidah Abdullah. Abstracts of the master's and doctoral theses were separately published in two publications, *Abstrak tesis-tesis sarjana dan doktor falsafah Universiti Kebangsaan Malaysia: 1973-1985* [Abstracts of master's and doctor of philosophy theses Universiti Kebangsaan Malaysia: 1973-1985] published in 1986 and *Abstrak tesis ijazah sarjana dan doktor falsafah (1982-1988)* [Abstracts of master's and doctor of philosophy theses (1982-1988)], published in 1989. All the titles mentioned above are published by the Tun Seri Lanang Library, UKM.

The University of Malaya Library produced 6 general theses listings. The earliest listing was *Academic exercises*,

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dissertations and theses published in 1968. This was followed by *Dissertation materials in the University of Malaya Library* compiled by Fan Kok Sim in 1974 which listed 1,927 titles comprising those submitted to UM as well as those acquired from other institutions and publishers. This listing was updated in 1977 and contains 3,265 titles, an increase of about 70%. Entries are arranged under broad subject disciplines and within each discipline alphabetically by authors' names. This publication was again updated in 1985 by *Theses and dissertations in the University of Malaya Library*, which was compiled by Mercy P. Selvaratnam and Mukhtiar Kaur. To meet the needs of researchers at the university, the library published a separate listing which includes 2,400 master's and doctoral theses in UML holdings up to 1995. Entries are arranged in accordance to broad Library of Congress and National Library of Medicine classification numbers (for theses submitted to the Faculty of Medicine). The library's quarterly bulletin *Kekal Abadi* includes in its December issue, all master's and doctoral theses, and graduation exercises submitted to UM and deposited at the UM library each year. As such, this bulletin provides the most up-to-date information on postgraduate and undergraduate research reports and theses submitted to UM. The *Kekal Abadi's* December listings from 1983 to 1992 were collated and bound under the title *Tesis dan latihan ilmiah = theses and academic exercises [Universiti Malaya]* in 1993.

The Universiti Putra Malaysia (previously Universiti Pertanian Malaysia) published three general theses listings. The first, *Laporan projek 1977/78* [Project report 1977/78] was published in 1979 and the second *Kertas projek dan tesis Universiti Pertanian Malaysia 1976-1982* [Project papers and theses, Universiti Pertanian Malaysia, 1976-1982] was published in 1983. The latter listed about 1,387 titles alphabetically under 9 Schools of studies. A separate listing of staff's theses was published in 1983 entitled, *Senarai tajuk tesis pegawai akademik Universiti Pertanian Malaysia*.

Universiti Sains Malaysia in Penang published four general thesis listings. The earliest was *Abstrak-abstrak tesis ijazah tinggi 1973-1978 = Abstracts of higher degree theses, 1973-1978* (1979), while the graduation exercises were listed in *Latihan-latihan ilmiah Universiti Sains Malaysia* [Graduation exercises Universiti Sains Malaysia] published in 1981. A cumulative list which covers both theses and graduation exercises was also published in 1981 entitled, *Tesis dan latihan ilmiah di Perpustakaan Universiti Sains Malaysia = Theses and academic exercises in the Universiti Sains Malaysia* compiled by Tang Wan Fong. This listing contains 1,642 titles. In this listing, the master's and doctoral theses were listed first followed by the graduation exercises. An update was published in 1988 entitled *Senarai tesis Universiti Sains Malaysia* [List of theses, Universiti Sains Malaysia].

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General theses listings published by other universities include those from the Universiti Teknologi Malaysia (UTM), the National University of Singapore (NUS) and Nanyang Technological University (NTU) in Singapore. UTM published a listing of all master's and doctoral theses held in the UTM library entitled *Tesis sarjana dan doktor falsafah dalam koleksi Perpustakaan Sultanah Zanariah* [Master's and doctor of philosophy theses held at the collection of the Sultanah Zanariah Library] in 1991. This listing was revised in 1992 as *Abstracts of master's and doctoral theses in the collection of the Perpustakaan Sultanah Zanariah, Universiti Teknologi Malaysia* which as evident from the title, provides abstracts to 466 titles.

Some of the universities in Singapore do disseminate their theses listings and one such university is the National University of Singapore (NUS) which published 5 listings. The most regular is *Publications and theses* which has been published annually by the university since 1970. The NUS Library is also involved with the publication of a listing in 1969 entitled *Academic exercises, theses and dissertations submitted to the University of Singapore and deposited in the University of Singapore Library, 1947-1969*. This listing was revised in 1977 to include titles submitted up to 1976 and a supplement was subsequently published in 1980 entitled, *Dissertations, theses and academic exercises: supplement 1977-78*, and listed 63 higher degree dissertations and 647 academic exercises. In 1982 another supplement was published to include theses up to

1981/1982 with the title, *Dissertation, theses and academic exercises submitted to the National University of Singapore*. The only other Singaporean university listing traced from the library catalogue search was *Theses and academic exercises submitted to the Nanyang University and deposited in the library 1969/1970-1976/77* published in 1978.

Besides the above Universities there are 7 other research institutions (OTHERS in Table 1) found to have published theses listings. These include: University Microfilms International's publication, *Malaysia: a selected collection of doctoral dissertations: 370 titles, 1954-1985*, which covers Malaysian theses submitted to American universities; two abstracts by the Rubber Research Institute of Malaysia entitled, *Abstracts of theses of RRIM staff on postgraduate program 1973-1978; 1978-1982* published in 1979 and 1982 respectively; Malaysian Agricultural Research Development Institute's (MARDI) publication, *Abstract of theses of MARDI officers 1968-1985* which was published in 1988; the Nuclear Energy Unit (Kajang) with *Penerbitan-penerbitan dan tesis kakitangan Unit Tenaga Nuklear* [Publications and theses of staff of the Nuclear Energy Unit] published in 1985 and 1989; the National Archives Malaysia which in 1990 published *Bibliografi anotasi latihan ilmiah di Arkib Negara Malaysia 1986-1988* [Annotated bibliography of graduation exercises held in the National Archives Malaysia 1986-1988]; and Standards and Industrial Research Institute Malaysia's (SIRIM) listing, *Senarai tesis pegawai-pegawai SIRIM* [A list of theses by SIRIM officers], in

1992. The latest theses listing is published by the Forest Research Institute Malaysia (FRIM) entitled, *Theses in FRIM Library*, compiled by Nur Asmah Sofian in 1997. Most of the thesis listings in this category include theses written by the officers of the respective institutions submitted to local or foreign universities.

(b) Special Theses Listings

Special theses listings refer to those published by individual faculties of the various universities or government institutions and are usually confined to the subjects taught at the faculties or research interests of the government agencies. The pattern of publication is rather erratic from one time publication to annuals with regular cumulating updates. Special theses listings include both postgraduate and undergraduate academic exercises. In this section sources are discussed in accordance with broad subject disciplines and listed similarly in the Appendix. Table 2 indicates that there are 53 theses listings published under 13 broad disciplines; 9 in agriculture; 4 in architecture & town planning; 5 in economics; 15 in education; 2 in geology; 3 in history and geography; 1 in Islam; 3 in law; 1 in languages, 2 in Malay studies, 2 in medicine, 3 in the sciences and 3 in sociology and anthropology. The highest listing was found in the field of education.

In the field of agriculture, the Faculty of Forestry at Universiti Putra Malaysia is responsible for a total of 5 listings. The earliest was entitled *Research activities*

in the Faculty of Forestry (1977) which later on changed to *Research project* from 1979 onwards. These listings seem to be published every two years and each listing is compiled by different individuals. The Faculty's department in Kuching, Sarawak also published a listing of project papers submitted by the Diploma of Forestry students entitled, *Diploma forestry projects 1979-1984: a summary* (1987) edited by Doraisingam Manikam, Abas bin Said and Hamsawi bin Sani. The Faculty of Fisheries and Environmental Sciences, UPM also contributed two listings in this field entitled, *Research report*, the first covering theses submitted between 1974-89 and the second between 1989-1993. The Faculty of Ecology and Humanities, UPM published a listing of final year student projects in 1993 entitled, *Abstrak projek pelajar tahun akhir BS (Pembangunan Manusia) 1986/87 - 1990/91* [Abstract of final year students projects BS (Pembangunan Manusia) 1986/87-1990/91], compiled by Khor Geok Lim and Zaitun Yassin.

All the theses listings in architecture and town planning were published by the Architecture and Town Planning Department of the Universiti Teknologi Malaysia in Sekudai, Johor. The listings were published under various titles, *Abstrak disertasi: sesi akademik 1980/81* [Dissertation abstracts: academic session 1980/81] in 1981, *Dissertation abstract: academic session 1982/83* in 1983; *Theses 87: academic session 1986/87* in 1987; and *Senarai tesis Fakulti Alam Bina dan Penerbitan Pusat Sumber & Multimedia* [List of theses, Fakulti Alam Bina and publications of the Resource

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and Multimedia Centre] in 1994.

The Faculty of Economics and Administration, University of Malaya has always been active in disseminating information about theses submitted to the Faculty. The Faculty was established as a

department as part of the Arts Faculty in 1959 and received its first thesis in 1962. The earliest listing entitled, *Dissertations and theses submitted to the Faculty of Economics and Administration, University of Malaya : session 1961/62-1968/69* by Khoo Siew Mun was

Table 2: Special Theses Listings

Disciplines	Listings (N=53)	Faculties/Departments/ Libraries	Univ.	Years Covered
Agriculture	5	Faculty of Forestry	UPM	1977-1989
	2	Faculty of Fisheries & Environmental Sciences	UPM	1974-1993
	1	Faculty of Ecology & Humanity	UPM	1986-1991
	1	Faculty of Agriculture	UPM	1968-1975
Architecture & Town Planning	4	Architecture & Town Planning	UTM	1980/81-1994
Economics	4	Faculty of Economics & Administration	UM	1962/69-1995
	1	Dept of Economics	NUS	1955/56-1983/84
Education	6	Faculty of Education	UM	1978 -1995/97
	1	Library	UM	1963-1994
	1	Faculty of Education	UPM	1983/84
	1	Faculty of Education	UKM	Up to 1988
	6	Educational Planning and Research Division	Min. of Educ.	1985-1996
Geology	2	Geological Society Malaysia	UM	1960-1983
History & Geography	1	Library	UKM	1934-1979
	1	History Dept	UM	1962-93
	1	Geography Dept	UM	1959-1990
Islam	1	Islamic Studies Dept.	UKM	1990
Language	1	Muhammad Thani Ahmad		1978
Law	3	Law Library	UM	1975/76-1993
Malay Studies	2	Malay Studies Dept	UM	1957-82
Medicine	2	Medical Faculty	UKM	1965-1973
Sciences	2	Faculty of Science & Natural Resources	UKM	1983-1988
	1	Faculty of Life Sciences	UKM	up to 1997
Sociology & Anthropology	1	Dept of Sociology & Anthropology	UM	Up to 1985
	2	UKM Library	UKM	1980-84, 1995

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published in 1968 in the Faculty's journal *Kajian Ekonomi Malaysia*. This listing was updated twice firstly by *Graduation exercises, theses, project papers submitted to the Faculty of Economics and Administration 1961/62 - 1972/73* published in 1973 and *Rencana latihan, skripsi projek dan tesis disampaikan kepada Fakulti Ekonomi dan Pentadbiran, sesi 1958/59-1977/78 = Graduation exercises, project papers and theses submitted to the Faculty of Economics and Administration, session 1958/59 - 1977/78*, published in 1978. The latest update is entitled, *Tesis dan disertasi di Perpustakaan Fakulti Ekonomi dan Pentadbiran = Theses and dissertations in the Faculty of Economics and Administration Library* published in 1995 which lists about 414 titles received since 1962. In 1984, the Economics and Statistics Department at NUS published a listing of graduation exercises received from 1955/56 to 1983/84.

Educational theses were included in an early abstract published by the Faculty of Education, University of Malaya in 1978 and was compiled by one of its teaching staff Khoo Phon Sai. A proper listing of all master's and doctoral theses in education received was first published in *Senarai tesis sarjana pendidikan dan doktor falsafah di Fakulti Pendidikan Universiti Malaya* [List of master's and doctor of philosophy theses held at the Faculty of Education, University of Malaya] in 1988. This is followed by an index entitled, *Educational theses index 1989* by Leonard Yong Mee Seng. Abstracts to theses was published in

1993 with the title, *Abstrak disertasi dan laporan praktikum (laporan penyelidikan) sarjana pendidikan 1992* [Abstracts and practicum report (research report) Master's in Education 1992] by Wan Abdul Kadir Wan Dollah. It was updated with *Senarai tambahan tesis pendidikan (Sarjana dan doktor falsafah) 1995-1997* [Supplementary list of theses in Education (Master's and doctor of philosophy) 1995-1997] published in 1997. In 1994 an index to theses submitted entitled, *Index to theses and dissertations at the Faculty of Education, University of Malaya 1963-1994*, was compiled by Andrew Lee Fook Phin and Norehan Ahmad which provides subject access to available theses. Two other educational institutions which published listings of theses in education are: Universiti Putra Malaysia (*Laporan latihan mengajar dan praktikum kaunseling 1970-1992* [Teaching training report and practicum on counseling 1970-1992] by Abd Patah Abd Malek) and Universiti Kebangsaan Malaysia (*Tajuk dan abstrak latihan ilmiah pelajar-pelajar sarjana muda sains dengan pendidikan (kepujian sesi 1987/88)* [Titles and abstracts of graduation exercises of honours graduate students in Science and Education, 1987/88 session]), by Zainal Abu Zarim

The Division of Educational Planning and Research, Ministry of Education is also active in publishing theses listings as under the Ministry's regulation, researches which involve schools must be approved by the Ministry and a copy of the report or thesis must be deposited at the Educational Planning and

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Research Division library. To date, the Division has published six listings. The first was entitled *Abstrak tesis/disertasi penyelidik-penyelidik* [Abstracts of theses/ dissertations of researches], published in 1985 and 1987. The title was slightly changed to *Abstrak, disertasi, tesis dan kertas projek* [Abstracts, dissertations, theses and project papers] in 1989, 1990 and to *Senarai disertasi, tesis dan laporan kerja yang telah diserahkan oleh penyelidik-penyelidik dalam tahun 1991* [List of dissertations, theses and project papers submitted by researchers in the year 1991]. In 1996 the Division published a separate listing for all doctoral dissertations on Education in Malaysia entitled, *Doctoral dissertation abstracts on education in Malaysia*.

The departments of sociology and anthropology, UM and UKM are responsible for two listings; *Senarai latihan ilmiah, kertas projek dan tesis* [List of graduation exercises, project papers and thesis] compiled by Hussain Mohd and Masjiwa Hj Hanipah, published in 1985 and *Abstrak latihan ilmiah komunikasi 1980-1984* [Abstracts of graduation exercises in communication 1980-1984] by Fuziah Kartini Hassan Basri and Rahman Hashim, published in 1986. The former lists over 600 graduation exercises and master's dissertations were listed at the end. The latter lists graduation exercises under 5 sections; Journalism, Developmental communication, Broadcasting; Public relations and Advertising. The Sabah Branch of the UKM Library published *A List of Ph.D theses on women in*

Malaysia which was compiled by Dayang Rukiah Awang Arut in 1995.

The Malay Studies Department at the University of Malaya is the only Department in this field to publish theses listings (two in number, although the listings are rather outdated, the latest published listing dates 1985). Entries are listed under 5 broad subjects ranging from religions, beliefs, customs, culture, personalities, education, economics and politics, language and literature, sociology and journalism. Under each section the entries are arranged by year and under each year entries are given a running number.

In the field of history, the History Department at the University of Malaya compiled a listing, *Senarai latihan ilmiah Jabatan Sejarah, Universiti Malaya 1962-1993* [List of graduation exercises History Department, University of Malaya, 1962-1997]. This is a unique listing as it is suspected that many titles are not listed under the general theses listings by UM due to the fact that many graduation exercises are not deposited at the UM Library. For a regional coverage, UKM library published a listing of theses on Southeast Asia submitted during 1934-1979 held at the UKM Library, entitled *Doctoral dissertation on Southeast Asia in the Library, Universiti Kebangsaan Malaysia, 1934-1979*. In the disciplines such as Islam only one listing was found, *Abstrak latihan ilmiah, Jabatan Arab dan Tamadun Islam* [Abstracts of graduation exercises Arabic and Islamic Civilisation Department], compiled by Husaini bin Hj Othman in 1990 and

published by the Faculty of Islamic Studies, UKM.

Three thesis listings were published in the discipline of Law. The first was a yearly listing of graduation exercises submitted to the Faculty of Law, University of Malaya between 1975/76 which was compiled by one of its teaching staff Nik Abdul Rashid as, *Daftar tajuk kertas-kertas ilmiah 1975/76* [Register of titles of graduation papers, 1975/76-]. This listing was subsequently updated to cover submissions for 1978/1979 and 1979/1980 in 1979 and 1980 respectively. The other two listings were published by the Law Library, University of Malaya. The first entitled, *Dissertations, theses and project papers in the University of Malaya Law Library (as at 31.12.85)* was compiled by Chan Sai Noi, Molly Chuah and Sharipah Hanom Bidin and provides a listing of 564 theses and project paper titles received up to 1985. The second was compiled by Rashidan Hakkam entitled, *Dissertations, theses and project papers in the University of Malaya Law Library*, which lists submission up to 1993.

In the sciences, the theses and project paper listings are fewer. The search revealed 2 listings on geology by Mohamad Ali Hassan (1983, 1984). The first listing cover geology theses submitted to the University of Malaya between 1960-1982 and the second cover theses submitted to Universiti Kebangsaan Malaysia between 1970-1983. There are 2 listings of honours year project papers, one was submitted to the Faculty of Science and Natural Resources, Universiti Kebangsaan

Malaysia branch in Kota Kinabalu Sabah and the second was a listing of project papers submitted to the Faculty of Life Sciences, Universiti Kebangsaan Malaysia compiled by Zabaid Akbar. The Medical Faculty, UM published two listings entitled, *Publications and theses*, 1965/70; 1971/72 in 1972 and 1973 respectively.

(c) Research Publications

Information on research publications is obtainable from several sources published by individual academic or research institutions. Research publications refer to published research and consultancy reports; articles in journals, newspapers, published conference proceedings and titles translated, edited or compiled. In the university system, this type of information is reported in each faculty's annual report submitted to the university administration. All reports submitted are then collated in an annual report published by each university. Such a report gives an indication of the research strength and activities of each faculty, as well as allows researchers to identify others with similar research interests for possible collaboration and cooperation. Besides the official annual report of each university, listings of research activities are also compiled by the university libraries or individual faculties. Table 3 indicates the total number of sources identified which list research activities of Malaysian researchers in the various academic institutions and government agencies. A total of 71 titles were identified; 1 from International Islamic University (IIU), 7 from UKM, 15 from UM, 25 from UPM, 8 from USM, 7 from

Table 3: Sources of Research Publications

Univ/ Inst.	No. Pub. (N=80)	Years Covered
IU	1	1982-1992
UKM		1977-1989
Admin	5	
Library	1	
Faculty	1	
UM		1949-1996
Admin	4	
Library	2	
Faculty	9	
UPM		1977-1994
Admin	4	
Library	10	
Faculty	11	
USM		1977-1994
Admin	3	
Library	5	
UTM		1972-1992
Admin	2	
Library	1	
Faculty	4	
Govt agencies	17	1901-1994

UTM and 17 from the various government agencies. The years of research activities covered by the publications range from 1949 to 1994.

The highest number of academic research publication listings comes from Universiti Putra Malaysia with 25 titles. Most of the titles are published by the various faculties in Universiti Putra Malaysia (11 titles) followed by the UPM Library (10 titles) and the University administration (4 titles). The active faculty publishers and their publications are: the Faculty of Science and Environmental Studies - *Laporan*

penyelidikan (1986-) and *Research and developments* (1996); Centre for Extension and Continuing Education - *Research abstracts in extension education and development community* (1981-1985 [and] 1985/86-1991/92) published in 1986 and 1993; and the Department of Soil Sciences - *Research and developments*, (1996); and *Research highlights*, 1989-1990; 1991/ 92-1993/94). Eight other faculties published 1 listing each. A total of 8 titles are published by the UPM library The first listing was *Laporan projek* [Project report] published in 1977. In 1978 the UPM University Senate recommended that the library periodically publish a list of papers written by the University staff. The result was a cumulative effort published in 1979 entitled, *Abstrak tulisan pegawai-pegawai Universiti Pertanian Malaysia 1971-1978* [Abstracts of publications of officers of Universiti Pertanian Malaysia, 1971-1978]. In this publication entries were arranged under 23 subject headings and under each subject, arrangement is alphabetically by titles. All entries were assigned a running number, and there is an author index. The library regularly updated the research listings under the title *Penerbitan pegawai-pegawai Universiti Pertanian Malaysia = Publications of officers of Universiti Pertanian Malaysia*, in 1985 by Salamah Salleh (covering publications published between 1971 and 1981); in 1987, 1988, 1989, 1990 by Aishah Mohd Nasir (covering publications published between 1986 and 1989). The UPM administration also reports academic staff research publications in the *Laporan tahunan* (earliest 1969/70;

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latest 1996). The University of Malaya (UM) is responsible for 15 titles. In UM research activities are reported in *Laporan tahunan* [Annual report] of the university since 1962. This publication consists of reports of research and publication activities from all faculties including the Chancellery and its administrative divisions. In 1992, only the Chancellery report was featured in UM's annual report while the faculty's research activities were reported in *Laporan kegiatan tahunan 1991/92*. Publication activities for each department are listed under the respective faculties which are arranged in alphabetical order, beginning with Akademi Islam [Islamic Academy]. The report includes information such as; departmental projects, seminars organised, staff attendance at conferences, papers presented, publications in the form of books, periodical articles, conference papers and works translated or edited. There are loopholes to the information provided in the *Laporan kegiatan tahunan*, such as the publication is behind schedule by about one to two years, frequent repetition of entries in two separate years, the lack of complete bibliographic information (making it difficult for the user to locate publications), and some research publications are not reported because the researchers are bound by an oath of secrecy with the company which commissioned the research. Because of these shortcomings, it was felt necessary to publish a more authoritative list. To this end, the UM library has been involved in collating all publication activities and is responsible for publishing information on them at

regular intervals. The first was *University research in Malaysia, 1949-1961: with a bibliography of staff research and a list of theses & academic exercises submitted to the University of Malaya*, compiled by Patricia Phui Huen Lim in 1968. This was followed by *Research projects and publications of the University of Malaya 1959-1976* compiled by Ungku A. Aziz and Yip Yat Hoong. This publication was updated in 1983 covering publications up to 1981 with a slight change in the title of publication. In 1989 another listing, *Research activities and publications at the University of Malaya 1983* was compiled jointly by Shaikha Zakaria and Zan Rokiah Abdul Rahim. The UM Library currently maintains the UM staff research publication between 1984-1996 in a CDS/ISIS database.

Other than these general listings, specialised listings were also compiled at faculty level. The earliest located was *Agricultural economic research: an annotated bibliography* published by the Faculty of Agriculture, UM in 1970. Other faculty listings include; *Senarai projek penyelidikan, perundingan dan penerbitan Fakulti Ekonomi dan Pentadbiran, Universiti Malaya* [List of research projects, consultancies and publication, Faculty of Economics and Administration, University of Malaya] in 1987; *Penerbitan akademik Fakulti Pendidikan* [Academic publications of the Faculty of Education] in 1993; *Senarai penerbitan, kertas persidangan dan penyelidikan semasa kakitangan akademik* [List of current publications, conference papers and research of academic staff]; by the Faculty of

Dentistry in 1992; *Research activities (Fakulti Perubatan Universiti Malaya)* by the Department of Medical Microbiology, Faculty of Medicine, UM in 1996 and *Penyelidikan dan pembangunan : Program IRPA* [Research and development: IRPA program] compiled by S.K. Lam and published by the Faculty of Medicine, UM in 1994.

Universiti Sains Malaysia (USM) published 8 titles. Out of the 8 titles four were published by the USM Library. Of those published by USM, the first was *Penerbitan kakitangan Universiti Sains Malaysia=Universiti Sains Malaysia staff publication*, published in 1979; *Penerbitan kakitangan universiti=Staff publication Supplement 1 & 2* (1982, 1991 respectively) and *Penerbitan kakitangan kumulatif Universiti Sains Malaysia=Universiti Sains Malaysia cumulative staff publications* compiled by Mary Vergis in 1994. Three out of the seven listings were published by the Department of Research and Funding, USM entitled *Projek-projek penyelidikan, pembiayaan Universiti Sains Malaysia, 1969-1981; 1982-83; 1984-1985* [Research projects funded by Universiti Sains Malaysia, 1969-1981; 1982-83; 1984-1985]. Staff research activities are also documented in the university's annual report *Laporan tahunan*, published since 1969/70.

The Universiti Teknologi Malaysia (UTM) published 7 titles. During the celebration of its 88th year of establishment, three research listings were published by UTM between 1992 and 1993. These include: *Abstrak penyelidikan = Research abstracts,*

Universiti Teknologi Malaysia published in 1992 with entries arranged under 10 faculties; and *Hasil-hasil penerbitan UTM* [Publication activities UTM] published in 1992 with staff publications arranged under the respective faculties. The latter listing does not provide complete bibliographical citations for titles listed (place of the publisher or details of journals where articles were submitted to were often left out). An index entitled, *Indeks hasil karya kakitangan Universiti Teknologi Malaysia (1972-1992)* [Index to staff publications, Universiti Teknologi Malaysia (1972-1991)] was published by UTM Library in 1993. Besides these listings the most active department in compiling research listing was the Chemistry Department which published three listings in 1978 (for publications between 1973-1978), 1988 and 1994. The Chemical Engineering Department UTM also published *Abstrak penyelidikan* [Research abstracts] in 1992.

The Universiti Kebangsaan Malaysia (UKM) is responsible for 7 listings. Like the other universities, academic research activities are reported in the annual reports (*Laporan tahunan*) of the university since 1971 which changed its title to *Laporan tahunan penyelidikan = Research annual report*. Three are general research listings covering all academic staff and the fourth is a research profile between 1980-1989 at the Faculty of Medicine, UKM which was published in 1990. Besides these, the UKM administration also published *Abstrak penyelidikan = Research activities, Universiti Kebangsaan Malaysia, 1980-1989* edited by Sharifah

Mastura, Ungku Maimunah and Ramli Mat Suki in 1989 and *Penerbitan Universiti Kebangsaan Malaysia = Universiti Kebangsaan Malaysia publications 1980-1988* by Muhammad Haji Salleh also in 1989.

The International Islamic University (IIU) published a cumulative listing of its academic staff publications entitled, *Publications and research activities at the International Islamic University 1982-1992* in 1993.

About six government agencies are responsible for 8 research listings; 2 each by the Educational Planning and Research Division, Ministry of Education, the National Archives of Malaysia and Malaysian Agricultural Research and Development Institute (MARDI); 1 each by the Institute for Medical Research, Socio-Economic Research Unit, Prime Minister's Department and Institute of Nuclear Technology Research Malaysia. All the listings and abstracts focus on providing information about their staff publications or research reports and papers deposited at their library. These listings undoubtedly enrich the available sources of local research information.

CONCLUSION

The titles listed above indicate that published sources on Malaysian theses and research activities are available and published by various institutions. Table 4 provides a summary of the publication activity of the various institutions involved in publishing listings of theses and research activities in Malaysia. The

table indicates that only six universities are actively disseminating information on their institutional theses and research activities. This finding is based on listings that are published, disseminated and deposited in major university libraries and the National Library of Malaysia. As a result unpublished listings or those not catalogued have been excluded and as such, it is realised that a number of listings may have been missed. More importantly, without those listings, the increasing number of theses on original research submitted each year become relatively unknown and elusive. University of Malaya being the oldest university tops the list by contributing 29% (27) of total theses listings. This is followed by UKM (20) and UPM (13). Universiti Putra Malaysia contributes the highest number of listings on their academic research activities (25), followed by UM (15) and USM (8).

The publication trend also shows the lack of a central database or a union list. The distributed efforts by the various institutions clearly hinder the visibility and access to local theses and research publications. This problem is exacerbated by stringent borrowing rules imposed by most libraries on theses and research reports in their collection. Currently, it is easier to identify, locate or even purchase Malaysian theses submitted to foreign universities especially those identified through the *Dissertations Abstracts Ondisc* database published by the University Microfilms International. It also seems easier to locate Malaysian research contributions to foreign and local journals indexed by international bibliographic indexing and

abstracting agencies than to those unindexed local scholarly journals. This is especially so since the *Malaysian periodical index* and the *Index to Malaysian conferences* suffer from a publication delay of about 2-3 years (Zainab, 1995). In such a situation, the local researchers need to search through

several listings and bibliographies in order to collate all relevant references needed for their research. A union list of all secondary publications on research is therefore highly needed. All the institutions concerned should collaborate closely to make a union database a reality.

Table 4: Summary Table of Total Listings on Theses and Research Activities

Institutions	Theses (General & Special) N=93	Research Activities N=80	Total N=173
IIU	-	1	1
UKM	20	7	27
UM	27	15	42
UPM	13	25	38
USM	4	8	12
UTM	7	7	14
NUS/NTU	8	-	8
OTHERS	14	17	31

There is also the possibility of utilising the World Wide Web for such a venture as it provides a particularly suitable method of distributing hypertext documents among different users. There is a need to migrate from the level of creating individual databases available on each institution's network to an integrated database from distributed workstations available nationwide. Most of the titles of sources indicated that libraries are actively involved as publishers of theses and research listings. This suggests that the union database can be collaboratively undertaken by

university and research libraries. This venture would help cut short literature search time for the local researchers, ensure the currency of information retrieved and increase the visibility of local research efforts.

REFERENCE

- Zainab Awang Ngah. 1995. The Malaysian conference collection: its bibliographic control at the Za'ba Memorial Library, University of Malaya. *Asian Libraries*, vol.1, no.1: 47-55.

APPENDIX

**SOURCES ON MALAYSIAN
DISSERTATIONS AND ACADEMIC
RESEARCH ACTIVITIES**

GENERAL THESES LISTING

UNIVERSITI KEBANGSAAN MALAYSIA (UKM)

Abstrak tesis ijazah sarjana dan doktor falsafah (1982-1988) [Abstracts of master's and doctor of philosophy theses (1982-1988)] / compiled by Zainal Abu Zaman. Bangi: Perpustakaan Tun Seri Lanang, Universiti Kebangsaan Malaysia, 1989. Z5055 M3 U444 (UTM).

Abstrak tesis siswazah Universiti Kebangsaan Malaysia, 1973-1988 = Theses abstract, Universiti Kebangsaan Malaysia, 1973-1988. Bangi: Pusat Pengajian Siswazah UKM, 1989. 246p. Z5055 M3U447 UTM.

Abstrak tesis-tesis sarjana dan doktor falsafah Universiti Kebangsaan Malaysia: 1973-1985. [Abstracts of master's and doctor of philosophy theses, Universiti Kebangsaan Malaysia: 1973-1985]. Bangi: Perpustakaan Tun Seri Lanang, 1986. (Siri rampaian; bil. 41). vii, 49 p. Z5055 M4PTSL (UM). Include master's and doctoral theses submitted to UKM only. Bibliographic details included are; author, title, year of submission and abstracts. Does not include author/subject indexes.

Latihan ilmiah Universiti Kebangsaan Malaysia : edisi tambahan, 1984. [Graduation exercises, Universiti Kebangsaan Malaysia: revised edition 1984] Bangi: Perpustakaan Tun Seri Lanang, Universiti Kebangsaan Malaysia, 1985-1990. (Siri rampaian; bil. 62).

This listing is being published annually based on annual submission since 1984 to 1990. The listings are compiled jointly by Ding Ten Moi, Hafsa Mohammed & Rosnah Yusof. Each title varies in length depending on the number of submission for each year. The cumulative publication was published in 1991.

Latihan ilmiah Universiti Kebangsaan Malaysia 1973-1989. [Graduation exercises, Universiti Kebangsaan Malaysia 1973-1989]. Bangi:

Perpustakaan Tun Seri Lanang, Universiti Kebangsaan Malaysia, 1991. (Siri rampaian; bil:63) Z5055M4PTSL (2 volumes, v.1: v,194p ; v.2:vii,311p. (UM)

Volume 1: Lists about 6992 entries, arranged under 12 faculties and centres. Under each faculty titles are arranged AZ by author and each entry is given a running number. Bibliographic details include: author, title, year of submission, class number or microform number.

Tesis dan latihan ilmiah Universiti Kebangsaan Malaysia 1973-1977 = Theses and academic exercises Universiti Kebangsaan Malaysia 1973-1977 / compiled by Zainal Azman bin Rajudin with the assistance of Mohd Ghazali bin Abbas. Kuala Lumpur: Perpustakaan Tun Seri Lanang, Universiti Kebangsaan Malaysia, 1977. 94p. (Senarai rampaian; no.8) Z5055 M4UKMP (UM).

Entries are given a running number indicating a total of about 1095 titles. Titles are arranged in two parts. Part 1 lists theses submitted for the master's and doctoral degrees. Titles are listed under three faculties; social sciences & humanities; sciences and those submitted to the Institute of Malay Language, Literature and Culture. Part 2 lists academic exercises from four faculties (all three mentioned above as well as those submitted to the Faculty of Islamic Studies). Bibliographic details provided include author, title, type of theses and year of submission.

Tesis dan latihan ilmiah Universiti Kebangsaan Malaysia 1973-1979 = Theses and academic exercise Universiti Kebangsaan Malaysia, 1973-1979. 2nd ed. Bangi: Perpustakaan Tun Seri Lanang, Universiti Kebangsaan Malaysia, 1980. (Senarai rampaian; no.10). 146p. Z5055 MU4UKMP (UM).

This is a revision of the 1977 list. As the university grew older the number of theses also increased to 1356 graduation exercises and 15 master's and doctoral theses. Submissions are made to 5 faculties with the addition of the Faculty of Economics and Administration. Bibliographic details and format follows the format of previous listings.

Tesis sarjana dan doktor falsafah Universiti Kebangsaan Malaysia 1973-1983: sebuah

Zainab, A.N. and Teh, K.H.

abstrak. [Master's and doctor of philosophy theses, *Universiti Kebangsaan Malaysia, 1973-1983*]. Compiled by Ali Haji Ahmad et al. Bangi: Perpustakaan Tun Seri Lanang, Universiti Kebangsaan Malaysia, 1984. vii, 374p. (Rampaian bil. 22) (UM).

The master's dissertation are listed firstly under 6 faculties and institutes followed by the doctoral theses. No author/subject indexes were provided. Text is in Malay.

Tesis sarjana dan doktor falsafah dalam koleksi Perpustakaan Universiti Kebangsaan Malaysia. [Master's and doctor of philosophy theses held in the collection of *Universiti Kebangsaan Malaysia Library*]. Bangi: Perpustakaan Tun Seri Lanang, Universiti Kebangsaan Malaysia, 1988. (Siri rampaian; bil. 51) Z5053 PTSL (UM)

Lists 4566 doctoral theses and 8300 master's dissertations acquired by UKM. Includes those submitted to other Malaysian universities and the UMI publications bought. Titles are listed under religion, history, anthropology, geography, economics, sociology, psychology, mass communication, political science, law, education, music & fine arts, language & literature, mathematics & computer science, physical & applied sciences, life sciences, health sciences, agronomy & agriculture, library & information science. A separate author/keyword index is provided for the master's and doctoral titles.

Tesis sarjana dan doktor falsafah dalam koleksi Perpustakaan Universiti Kebangsaan Malaysia: edisi tambahan [Master's and doctor of philosophy theses held in the collection of the *Universiti Kebangsaan Malaysia Library*]. Compiled by Ding Ten Moi, Abu Bakar Maidin & Zuraidah Abdullah. Bangi: Perpustakaan Tun Seri Lanang, Universiti Kebangsaan Malaysia, 1989. 98p. (Siri rampaian; bil. 56) Z5053 PTSL (UM)

Entries are numbered. Includes theses submitted to other universities. Author/keyword indexes are provided.

UNIVERSITI MALAYA (UM)

Academic exercises, dissertations and theses.

Kuala Lumpur: University of Malaya, 1968. (Occasional list / University of Malaya Library: no.5). 011.7UNI F MR (PNM).

Entries are listed under 2 sections. Sec.1: Entries are listed under 6 Departments; Chemistry, Economics; Engineering, Geology; Malay Studies, and Zoology. Sec.2: Entries are under 3 subsections; academic exercises; master's dissertation; and Ph.D theses.

Dissertation materials in the University of

Malaya Library / compiled by Fan Kok Sim. Kuala Lumpur: University of Malaya, 1974. Revised in 1977. Z5055 M4Fan (UM)

The 1974 edition lists 1,927 titles while the 1977 edition contains 3,265 titles, an increase of about 70%. The latter includes all theses, dissertations and graduation exercises received up to September 1976. Also includes theses submitted to other universities and those supplied by UMI. Entries are arranged under broad subject disciplines and under each discipline entries are arranged alphabetically by author's name. Bibliographic details provided include: author, title, degree, university, year, call number, microform numbers. Includes a detailed table of contents and author/subject indexes. Each entry is also assigned a running number.

Kekal Abadi. Kuala Lumpur: Perpustakaan Universiti Malaya, Dec 1983-Dec 1997 (Each December issue lists all theses and graduation exercises received in the current year. This is the most up-to-date list and is an important source)

Tesis dan disertasi Universiti Malaya: senarai semak setakat Julai 1995 [Theses and dissertations University of Malaya: a checklist up to July 1995]. Kuala Lumpur: Perpustakaan Universiti Malaya, 1995. 317p. Z5055 M4Tes (UM)

Includes only master's and doctoral theses. Contains about 2,400 dissertations and theses submitted to UM Library and includes those located at the branch libraries. Titles are arranged by broad LC and National Library of

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Medicine class numbers. Bibliographic details include: class number, author, title, type of degree, department and university, year, microform number. Provides an author index.

Tesis dan latihan ilmiah = Theses and academic exercise [Universiti Malaya]. Kuala Lumpur: University of Malaya Library, 1993. Z5055 M4 Tes. (UM)

Photocopy of the theses listing published in each December issue of *Kekal Abadi* (Dec 1983-Dec 1992). For each year titles are arranged by types of degree awarded and A-Z by authors' name under each type of degree.

Theses and dissertations in the University of Malaya Library / compiled: Mercy P. Selvaratnam, Mukhtiar Kaur. Kuala Lumpur: University of Malaya Library, 1985. vii, 546p.; 30 cm. ISBN 90794300. (UM)

Contains about 7,500 titles of higher degree dissertations and theses acquired by UM Library since 1959. Includes those located at the Law & Medical faculties. Entries are by broad disciplines and under each discipline, entries are arranged A-Z by author's name. Location of the titles within the UM Library system are indicated. Provides an author index.

UNIVERSITI PUTRA MALAYSIA (UPM, formerly Universiti Pertanian Malaysia)

Kertas projek dan tesis Universiti Pertanian Malaysia 1976-1982. [Project papers and theses, University Pertanian Malaysia 1976-1982]. Serdang: Perpustakaan Universiti Pertanian Malaysia, 1983. 97p. LB2369 U54 1983 wr. (UTM) Z5055 MUU55 ker

Lists about 1,387 titles. Each entry is given a running number and listed under 9 Schools. A separate section is given for master's and doctoral theses which numbered about 23. Under each School, titles are arranged by year of submission. Bibliographic details included are: author, title, class number.

Laporan projek 1977/78. [Project reports, 1977/78]. Serdang: Universiti Pertanian Malaysia, 1979.

Lists graduation exercises for the degree of: Bachelor of Science (Forestry); Bachelor of Science (Agribusiness); Bachelor of Agricultural Science; Doctor of Veterinary

Medicine. Does not provide author/subject indexes.

Senarai tajuk tesis pegawai akademik Universiti Pertanian Malaysia. Serdang: Universiti Pertanian Malaysia, 1983. Z5055 M3 P4 (UPM)

UNIVERSITI SAINS MALAYSIA (USM)

Abstrak-abstrak tesis ijazah tinggi, 1973-1978 = Abstracts of higher degree theses, 1973-1978. Pulau Pinang: Perpustakaan Universiti Sains Malaysia, 1979. LB2369 A37 1979 (UTM)

Latihan-latihan ilmiah Universiti Sains Malaysia [Academic exercises University Science Malaysia]. Pulau Pinang: Perpustakaan Universiti Sains Malaysia, 1981. 20 leaves. Z5055 M4USML (UM)

Photocopy of card entries of titles which are arranged under Centres and under each Centre, A-Z by author. Bibliographic information provided includes: author, title, year. Neither indexes nor contents page are provided.

Senarai tesis Universiti Sains Malaysia [List of theses Universiti Sains Malaysia]. Pulau Pinang: Perpustakaan Universiti Sains Malaysia, 1988. Z5055 M2U344 1988 wr (UTM)

Tesis dan latihan ilmiah di Perpustakaan Universiti Sains Malaysia = Theses and academic exercises in the Universiti Sains Malaysia Library/ disusun oleh [compiled by] Tang Wan Fong. Pulau Pinang: Universiti Sains Malaysia Library, 1981. (Senarai bibliografi, no.26) Z5055 M4PSUSMP (UM)

Entries are arranged by broad subjects mainly, followed by departmental courses offered by the university. Under 27 subjects, entries are arranged A-Z by author's names. Each entry is also given a running number indicating a total of 1,642 titles. Master's and doctoral theses are listed first followed by the graduation exercises. An author index is provided.

UNIVERSITI TEKNOLOGI MALAYSIA (UTM)

Abstrak tesis sarjana dan doktor falsafah dalam koleksi Perpustakaan Sultanah Zanariah 1972-1992 = Abstracts of master's and doctoral theses in the collection of

Zainab, A.N. and Teh, K.H.

Perpustakaan Sultanah Zanariah, Universiti Teknologi Malaysia. Johor Bahru: Perpustakaan Sultanah Zanariah, UTM, 1992. xiii, 262p. (Siri bibliografi; 54) (UM)
Arrangement is similar to the 1991 publication except that abstracts are included for each entry. Each item is given a running number indicating a total of 466 titles. Includes author /subject indexes. Subject coverage includes, religion, education, language, economics, management, business administration, urban & regional planning, housing, sociology, political science, mass communication, library science, law, architecture, quantity surveying, mathematics, physics, chemistry, bioengineering, civil, mechanical, chemical, petroleum & electrical engineering, computer science, surveying & mapping science, photogrammetry and remote sensing.

Senarai tesis (Sarjana dan kedoktoran) yang disimpan dalam Perpustakaan Universiti Teknologi Malaysia [List of master's and doctoral theses held at University Technology Malaysia Library]. Kuala Lumpur: Perpustakaan UTM, 1981. 27p. (Siri bibliografi / Perpustakaan UTM, no; 22)

Tesis sarjana dan doktor falsafah dalam koleksi Perpustakaan Sultanah Zanariah [Master's and doctor of philosophy theses in the Sultanah Zanariah Library]. Johor Bahru: Perpustakaan Sultanah Zanariah, Universiti Teknologi Malaysia, 1991. 138p. Z5055 M4 UTMPZA (UM)
Entries are arranged by broad subject areas and under each subject A-Z by author. An author index is provided. This publication was revised in 1992.

OTHERS

Abstracts of theses of MARDI officers 1968-1985 / Compiled by Jariah Jais. 1988. Kuching, Bintulu Branch, MARDI, 1988. viii, 361p. ISBN 967-936 028 8. S494.5 A39 M36 1988 x (UTM)
Lists all theses kept at the MARDI Library. Bibliographic information provided for each title includes: title, discipline, author, type of theses, the university theses was submitted to, year of submission and abstract. Entries are

listed under 12 subject headings. Provides an author/subject index.

Abstracts of theses of RRIM staff on post-graduate program 1973-1978 / compiled by Kaw Hun Woon. Kuala Lumpur: RRIM, 1979. 27p. 30 cm. Z5053 Abs. (UM)
Lists theses by RRIM officers and submitted to local and foreign universities. This issue contains about 75 titles. An author index is provided and each title is given a running number.

Abstracts of theses of RRIM staff on post-graduate program, 1978-1982 / compiled by Zainab Saim. Z5074 H58 IPGM. Kuala Lumpur: RRIM, 1982. iv, 50p. 29 cm. Z5074 H58 IPGM (UM)

Bibliografi - anotasi latihan ilmiah di Arkib Negara Malaysia: 1986-1988 [Annotated bibliography of academic exercises held at National Archives Malaysia]. Kuala Lumpur: Arkib Negara Malaysia, 1990. Z5055 M4ANMB (UM- PPZ).

Malaysia: a selected collection of doctoral dissertations: 370 titles, 1954-1985. Ann Arbor, Mich. University Microfilms International, 1986. Z5055.M34 (UTM).

Penerbitan-penerbitan dan tesis kakitangan Unit Tenaga Nuklear [Publications and theses of the staff of Nuclear Energy Unit]. Kajang: Unit Tenaga Nuklear, 1985, 1989. Z5055 M3M343 19879 wr. (UTM) Z7144 N8Pen (UM). Also reports on other research publications, articles, research and technical reports.

Senarai tesis pegawai-pegawai SIRIM [List of theses by SIRIM officers]. Shah Alam: Standards and Industrial Research Institute Malaysia (SIRIM), 1992. 37p. 30 cm. 011.75 SEN MR (PNM)

Theses in FRIM Library. Compiled by Nur Asmah Sofian; supervised and assisted by Kong How Kooi. Kepong: Forest Research Institute Malaysia Library, 1997. (Desk reference; no.1). iv, 108p. ISBN 983-9592-76-9. Available free.

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Lists 98 theses titles deposited by staff who were awarded scholarships by FRIM. Entries are arranged in 2 sections. Sec.1: Lists the names of authors alphabetically. Each entry is given a running number. Sec. 2: An index of keywords extracted from the documents and arranged alphabetically. Bibliographic information included: authors' names, title, imprint, year of submission, type of degree, the university thesis was submitted to and abstracts.

THESES LISTING - SINGAPORE (NUS & NTU)

Academic exercises, theses and dissertations submitted to the University of Singapore and deposited in the University of Singapore Library, 1947-1969. Singapore: University of Singapore Library, 1969. 59[12]p. (f)Z5055 S8S6(UM)

Dissertations, theses and academic exercises submitted to the University of Singapore Library 1947-1976. Singapore: Reference Department, University of Singapore Library, 1977. Z5055 S8S6(UM)

Entries are arranged in two sections. Sec.1: higher degree dissertations. Sec.2: academic exercises arranged under broad disciplines. Includes author/subject indexes.

Dissertations, theses and academic exercises : supplement 1977-78. Singapore: Reference Dept, University of Singapore Library, 1980. 100p. Z5055 S8Z6(UM)

Includes 63 higher degree dissertations, 647 academic exercises submitted between 1977-1978 and 49 graduation exercises submitted before 1976 which were not included in the 1977 listing.

Dissertations, theses and academic exercises submitted to the National University of Singapore. Singapore: Cataloguing Dept, National University of Singapore Library, 1981/82. Z5055 S8S6(UM)

Publications and theses. Singapore: National University of Singapore, 1967-. Latest 1995. Annual. Z5055 S8 S6P(UM) or Z5055 S55 M37 1970-1995(UTM)

Theses and academic exercises submitted to the Nanyang University and deposited in the library 1969/1970-76/77. Singapore: Reference Dept, Nanyang University Library, 1978. (f) Z5055 S8N19NULR(UM)

SPECIAL THESES LISTINGS

AGRICULTURE

Abstrak projek pelajar tahun akhir BS (Pembangunan Manusia) 1986/87 - 1990/91. Compiled by Khor Geok Lim & Zaitun Yassin. Serdang: Fakulti Ekologi dan Manusia, Universiti Pertanian Malaysia, 1993. HM206 A164(UPM).

Diploma forestry projects 1979-1984: a summary. Edited by Doraisingham Manikam, Abas bin Said, Hamsawi bin Sani. Kuching: Dept. of Forestry, Universiti Pertanian Malaysia, 1987.

Plant protection: abstracts of B.Agric.Sci Projects, 1968-1975. Compiled by Abd. Ghani Ibrahim. Serdang: Faculty of Agriculture, University of Agriculture, Malaysia, 1979. 82p.

Research activities in the Faculty of Forestry. Serdang: Faculty of Forestry, Universiti Pertanian [Putra] Malaysia, 1977- ; 1977/78. (UPM)

Research project 1977-79. Edited by Abdul Manap Ahmad, P.B.I. Srivastava & Khamis Awang. Serdang: Faculty of Forestry, Universiti Pertanian [Putra] Malaysia, 1979-86p. SD373 A2 1977/79

Projects are listed under 5 areas of study: Forest production; management; engineering; protection and products. Bibliographic information provided includes: title year, supervisor and abstract.

Research project 1980-82: a survey. Edited by Mohd. Zin Jusoh; Wan Sabri Wan Mansor & Doraisingham Mankam. Serdang: Faculty of Forestry, Universiti Pertanian [Putra] Malaysia, 1982- 52p. SD373 A2 1980/82

Research project 1987-89: a survey. Edited by Nor Aini Ab Shukor et al. Serdang: Faculty of Forestry, Universiti Pertanian [Putra] Malaysia, 1992- 100p. (UPM)

Zainab, A.N. and Teh, K.H.

Research report. Compiled by Mohd Salleh Kamaruddin & Shahrir Azni Harmin. Serdang: Faculty of Fisheries and Environmental Sciences, Universiti Pertanian [Putra] Malaysia, 1974-89. SH207 M2R432. (UPM)

Research report [1974-1989; 1989-1993]. Serdang: Faculty of Fisheries and Environmental Sciences, Universiti Pertanian [Putra] Malaysia, 1989,1993. SH207 M2R432. (UPM)

ARCHITECTURE & TOWN PLANNING

Abstrak disertasi: sesi akademik 1980/81 [Dissertation abstracts: academic session 1980/81]. Sekudai: Fakulti Alam Bina, Jabatan Perancangan Bandar & Wilayah, Universiti Teknologi Malaysia, 1981. HT169 M3 A44 1981 (UTM)

Disertasi abstrak: akademik sesi 1982/83. Sekudai: Fakulti Alam Bina, Jabatan Perancangan Bandar & Wilayah, Universiti Teknologi Malaysia, 1983. HT169M3A442 1983 (UTM)

Senarai tesis Fakulti Alam Bina dan Penerbitan Pusat Sumber & Multimedia [List of theses, Fakulti Alam Bina and publications of the Multimedia and Resource Centre]. Sekudai: Fakulti Alam Bina, Universiti Teknologi Malaysia, 1994. Z5055 M3 U85 1994 wra (UTM)

Theses 87: academic session 1986/87. Sekudai: Jabatan Senibina, Fakulti Alam Bina, Jabatan Perancangan Bandar & Wilayah, Universiti Teknologi Malaysia, 1987. LB2369 T45 1987 (UTM)

ECONOMICS

Directory of academic exercises 1955/56-1983/84. Singapore: Dept of Economics & Statistics, National University of Singapore, 1984. 144p. 30 cm. Z3249 E2 NUSDES (UM).

Dissertations and theses submitted to the Faculty of Economics and Administration, University

of Malaya: sessions 1961/62 - 1968/69. Compiled by Khoo Siew Mun. Kuala Lumpur: Fakulti Ekonomi dan Pentadbiran, Universiti Malaya, 1968. AC995 M4Khoo (UM-Risalah)

This list was published in *Kajian Ekonomi Malaysia* 5(1) Jun 1968: 83-101 and is arranged by broad subjects/year of submission/A-Z by author. A separate section is provided for postgraduate theses submitted to the faculty. The subject categorizations used are: statistical theory & statistics; demography; economic theory; labour & wages; monetary economics; public finance; production & rural industries; economic development; political science; commerce; public administration; business and industry; accounting & management.

Graduation exercises, theses, project papers submitted to the faculty of Economics and Administration 1961/62-1972/73. Compiled by Khoo Siew Mun. (Bibliography list; 6). Kuala Lumpur: Faculty of Economics & Administration, University of Malaya, 1972. iii, 55p. MR016.378 24209595 (f)

Entries are arranged in 2 parts: Academic exercises and higher degree work. The academic exercises are listed under 6 divisions: accounting, analytical, applied business administration, rural development and statistics. Under each division entries are listed under year and subsequently alphabetically by authors' names.

Rencana latihan, skripsi projek dan tesis disampaikan kepada Fakulti Ekonomi dan Pentadbiran, sesi 1958/59 -1977/78 = Graduation exercises, project papers and theses submitted to the Faculty of Economics and Administration, sessions 1958/59 - 1977-78. Kuala Lumpur: Faculty of Economics & Administration, University of Malaya, 1978. Iii, 72 leaves. Revised the 1968 listing. Z7164 E2UMFEPP (UM-IPT)

Tesis dan disertasi di Perpustakaan Fakulti Ekonomi dan Pentadbiran = Theses and dissertations in the Faculty of Economics and Administration. Kuala Lumpur: Perpustakaan Fakulti Ekonomi dan

Sources on Malaysian Dissertations and Academic Research Activities

Pentadbiran, Universiti Malaya, 1995. ii, 67p. (f) Z5055 M4UMPFEP (UM)
Lists only master's and doctoral theses and dissertations submitted to the faculty. Contains 414 titles collected since 1962. Entries in the text are arranged by year and under each year AZ by author. Bibliographic information provided includes; year, name, title, type of degree, descriptors, call numbers, accession number and a CDS/ISIS MFN number. Includes an author index.

EDUCATION : UNIVERSITIES

Abstracts of selected studies: research on teaching in Malaysia / Khoo Phon Sai. Kuala Lumpur: Fakulti Pendidikan, Universiti Malaya, 1978. LB1775 Koh (UM).

Abstrak disertasi dan laporan praktikum (laporan penyelidikan) sarjana pendidikan 1992 [Abstracts of dissertations and practicum report (research report) Master's of Education 1992] / Wan Abdul Kadir Wan Dollah. Kuala Lumpur: Perpustakaan Fakulti Pendidikan, Universiti Malaya, 1993. 70 p. (f) Z5055 M4Wanakwd (UM).

Includes master's dissertations and practicum report submitted to the faculty. Entries are arranged under broad subjects: Guidance & counseling; reading education; language education; physical and health education; mathematics and science education; social science education; administration of education; educational planning; developmental education; curriculum development; educational psychology; TESL; educational technology; testing and evaluation. Bibliographic information includes: title, author, type of degree, subject, supervisor, abstract either in English or Malay depending on the language of the thesis. Does not provide an author index.

Educational theses index 1989: an indexed list of theses in the library, 1989. Compiled by Leonard Yong Mee Seng. Kuala Lumpur: Faculty of Education Library, University of Malaya, 1989. 55 p. LB2369 Y55 (UPM)

Index to theses and dissertations at the Faculty of Education, University of Malaya 1963-1994 = Indeks tesis dan disertasi, Fakulti

Pendidikan Universiti Malaya 1963-1994 / compilers: Andrew Lee Fook Phin [and] Norehan Ahmad. Kuala Lumpur: University of Malaya Library, 1994. 306 p. ISBN 967-943-035-9. Z5815 M4Indt (UM).

The index is in 2 sections; name index and subject index. Contains about 535 theses submitted to the Faculty of Education and staff's theses submitted to foreign institutions.

Laporan latihan mengajar dan praktikum kaunseling 1983-84. Compiled by Abd Patah Abd Malek. Serdang: Universiti Pertanian Malaysia, 1983-84. BF637 L315 1983/84; 1984/85

List of theses at the Faculty of Education from 1970-1992. Compiled by Wan Kadir Wan Abdullah. Kuala Lumpur: Faculty of Education Library, University of Malaya, 1992.

Senarai tambahan tesis pendidikan (Sarjana dan doktor falsafah) 1995-1997 [Additional list of theses on education (Master's and doctor of philosophy) 1995-1997] / Wan Abdul Kadir Wan Dollah. Kuala Lumpur: Perpustakaan Pendidikan Universiti Malaya, 1997 (UM). An update to the 1993 index.

Senarai tesis sarjana pendidikan dan doktor falsafah di Fakulti Pendidikan Universiti Malaya [List of master's and doctor of philosophy theses held at the Faculty of Education University of Malaya]. Kuala Lumpur: Fakulti Pendidikan, Universiti Malaya, 1988. 49p. Z5815 M4 Sen (UM)

Tajuk dan abstrak latihan ilmiah pelajar-pelajar sarjana muda sains dengan pendidikan (kepujian sesi 1987/88). Compiled and edited by Zainal Abu Zarim. Bangi: Faculty of Education, Universiti Kebangsaan Malaysia, 1988. 38p. LB2369 Z2 (UKM)

EDUCATION : MINISTRY OF EDUCATION

Abstrak disertasi kedoktoran tentang pendidikan di Malaysia = Doctoral dissertation abstracts on education in Malaysia. Kuala Lumpur: Pusat Dokumentasi, Bahagian Perancangan dan Penyelidikan Dasar Pendidikan, Kementerian Pendidikan, 1996. Z5055 M4 MKPBPPD (UM)

Entries are listed in 3 sections: Sec.1: Name index (in 5 columns - serial number, name,

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university/place, year, number of pages); Sec.2: Author entry. Each title is numbered. Bibliographic details include: author, title, degree, university, year, pages, abstracts, descriptors, class number. Sec.3: Subject index.

Abstrak, disertasi, tesis dan kertas projek [Abstracts, dissertations, theses and project papers]. Kuala Lumpur: Bahagian Perancangan dan Penyelidikan Pendidikan, Kementerian Pendidikan, 1989, 1990. Z5055 M4 MKPBPPPA (UM) LB2326.3 M34 x (UTM)

Abstrak, kertas projek Institut Perguruan Sultan Idris 1988 [Abstracts, project papers Sultan Idris Teachers Training Institute]. Kuala Lumpur: Bahagian Perancangan dan Penyelidikan Pendidikan, Kementerian Pendidikan, 1989. 247p..Z5055 M4MKPBPPPA (UM)

Lists 147 project papers submitted to the college by trainee teachers in 1988 comprising: 38 in guidance & counseling; 29 in educational administration; 29 in TESL; 28 in reading and writing and 23 in mathematical education. Bibliographic information provided includes: title, author, published status, type of research: language, sponsors, keywords and abstracts.

Abstrak tesis/disertasi penyelidik -penyelidik [Abstract of theses/dissertations by researchers]. Kuala Lumpur: Bahagian Perancangan dan Penyelidikan Pendidikan, Kementerian Pendidikan, 1985, 1987.

Senarai disertasi, tesis dan laporan kajian 1988: diterima daripada para penyelidikan [List of dissertations, theses and research reports 1988: received from researchers]. Kuala Lumpur: Bahagian Perancangan dan Penyelidikan Pendidikan, Kementerian Pendidikan [Educational Planning and Research Division, Ministry of Education], 1989. 58p. Z5055 M4MKPBPPPS (UM).

Lists a total of 314 titles: 4 doctoral theses, 12 master's; 142 graduation exercises; 3 diploma; 5 research certificate; 148 Certificate. Titles are listed in a spreadsheet arrangement; serial number; author's name; institutional affiliation; type of research/degree; title; date of approval; and

date of submission. No author/subject indexes provided.

Senarai disertasi, tesis dan laporan kerja yang telah diserahkan oleh penyelidik-penyelidik dalam tahun 1991 [List of dissertations, theses and research reports submitted by researchers in 1991]. Kuala Lumpur: Kementerian Pendidikan, 1991. Z5814 M34 1991 wr

GEOLOGY

Bibliography of unpublished theses and final year project reports [dissertations] in geology, University of Malaya: 1960-1982. Compiled by Mohamad Ali Hassan. Kuala Lumpur: Persatuan Geology Malaysia, 1983. Z6034 M4Mohah. (UM- PPZ)

Bibliography of unpublished theses and final year project reports [dissertations] in geology at the National University of Malaysia, 1970-1983. Compiled by Mohamad Ali Hassan. Kuala Lumpur: Persatuan Geology Malaysia, 1984. Z6034 M4Mohah. (UM- PPZ)

HISTORY & GEOGRAPHY

Disertasi kedoktoran mengenai Asia Tenggara dalam Perpustakaan Universiti Kebangsaan Malaysia 1934-1979 termasuk senarai tesis Sarjana = Doctoral dissertations on Southeast Asia in the library, Universiti Kebangsaan Malaysia 1934-1979, including a list of master's theses. Bangi : Perpustakaan Tun Seri Lanang, Universiti Kebangsaan Malaysia, 1981. (Siri anotasi tesis). Z5053 PTSL (UM-PPZ)

Publications and dissertations of the Department of Geography, University of Malaya 1959-1990 / Voon Phin Keng. In: The view from within: geographical essays on Malaysia and Southeast Asia, Edited by Voon Phin Keng and Tengku Shamsul Bahri. Kuala Lumpur: The Malaysian Journal of Tropical Geography, 1992: 468-491. DS592 Vie (UM)

Senarai latihan ilmiah Jabatan Sejarah, Universiti Malaya, 1962-1993 [List of graduation exercises, History Department, University of Malaya, 1962-1993]. Kuala Lumpur: Jabatan Sejarah, Universiti Malaya,

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1995. (UM-In process). Provides an A-Z author listing.

ISLAM

Abstrak latihan ilmiah Jabatan Arab dan Tamadun Islam [Abstracts of graduation exercises Dept. of Arabic and Islamic Civilisation] / disusun oleh [compiled by] Husaini bin Hj Othman, disunting oleh Anwar Zainal Abidin. Bangi: Fakulti Pengajian Islam, Universiti Kebangsaan Malaysia, 1990. v., 56p. (PNM)

LAW

Daftar tajuk kertas-kertas ilmiah [1975/76; 1978/79; 1979/80] [Register of titles of graduation papers [1975/76; 1978/79; 1979/80]] / Compiled by Nik Abdul Rashid. Kuala Lumpur: Fakulti Undang-Undang, Universiti Malaya, 1976; [1979; 1980]. Z6458 Mikar (UM-PPZ). MR016.34DAF (f)

The 1980 listing contains 253 titles (177 titles in English and 76 titles in the Malay language). The titles are arranged in 2 sections. Section 1: LLM theses listed in accordance with name, title and year of award. Section 2: Lists Ph.D theses.

Disertasi, tesis dan kertas projek di Perpustakaan Undang-Undang Universiti Malaya (pada 31.12.85) = Dissertations, theses and project papers in the University of Malaya Law Library (as on 31.12.85) / compiled by Chan Sai Noi, Molly Chuah & Sharipah Hanom Bidin. Kuala Lumpur: Perpustakaan Undang-Undang, Universiti Malaya, 1985. 103 p. Z6458 M4Cha. ISBN 967-943-014-6. (UM-PPZ)

This is a checklist of theses and project papers submitted to the Law Faculty, UM. Contains about 85 higher degree theses and 564 graduation exercises. Provides an author/subject index and each entry is given a running number.

Disertasi, tesis dan kertas projek di Perpustakaan Undang-Undang Universiti Malaya = Dissertations, theses and project papers in the University of Malaya Law Library / Rashidan Hakkam. Kuala Lumpur: Perpustakaan Undang-Undang, Universiti Malaya, 1993. 99p. (UM)

LANGUAGE

Tesis-tesis tentang bahasa: satu senarai rujukan [Theses on language: a reference list] / Muhammad Thani Ahmad. 1978. AC995 M4 Muhta.T (UM-Risalah)

MALAY STUDIES

Latihan ilmiah dan tesis Pengajian Melayu [Graduation exercise and theses on Malay Studies]. Kuala Lumpur: Jabatan Pengajian Melayu, Universiti Malaya, 1970. PL5063 MUJPM. (UM-PPZ)

Latihan ilmiah Jabatan Pengajian Melayu (1957-1982) mengikut bidang [Graduation exercises Malay Studies Department (1957-1982) according to disciplines]. Kuala Lumpur: Jabatan Pengajian Melayu, Universiti Malaya, 1985. 49p. (Kertas data/JPM, UM; 35).

Entries are listed under 5 broad subjects: religion; beliefs, customs, culture; personalities; education; economics; politics; administration & civics; language & linguistics; history; sociology and society; literature and journalism. Under each section entries are arranged by year and under each year entries are numbered.

MEDICINE

Publications and theses 1965/70. Kuala Lumpur: Fakulti Perubatan, Universiti Malaya, 1972. 124p. 21 cm. Z6658 MUFM.

Publications and theses 1971-1972. Kuala Lumpur: Fakulti Perubatan, Universiti Malaya, 1973. 124p. 21 cm. Z6658 MUFM.

SCIENCE

Abstracts: honours year theses 1983-1988 / coordinating editors, Kaswadi Md Ambia ... et al. Kota Kinabalu: Fakulti Sains dan Sumber Alam, Universiti Kebangsaan Malaysia, 1989. xxiv, 155p. 011.7509595 ABS MR (PNM)

Abstrak tesis penyelidikan pelajar Fakulti Sains Hayat dan Hutan Simpanan Kekal, Universiti Kebangsaan Malaysia [Abstracts

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of students' research theses, Faculty of Life Sciences and Permanent Forest Reserves].
Susunan [compiled by] Zabaid Akbar. Bangi: Fakulti Sains Hayat, Universiti Kebangsaan Malaysia, 1997. 015.595 075 PNM

Abstrak tesis tahun kepujian 1983-1988
[Abstracts of honours year theses 1983-1988]
/ penyunting [edited by] Kaswadi Md Ambia, Mazlin Mokhtar, Sahubin Abdul Rahim. Kota Kinabalu: Fakulti Sains dan Sumber Alam, Universiti Kebangsaan Malaysia, 1989. xxiv, 166p. 011.7509595 ABS MR (PNM)

SOCIOLOGY & ANTHROPOLOGY

Abstrak latihan ilmiah komunikasi 1980-1984
[Abstracts of graduation exercises in communications 1980-1984] / Fuziah Kartini Hassan Basri & Rahman Hashim. Bangi: Jabatan Komunikasi, Universiti Kebangsaan Malaysia, 1986. 153p. (Siri buku bentuk sementara; 9). ISBN 967-942-068-X016.3022 FUZ M (PNM).
The Jabatan Komunikasi was set up in 1977 and this listing was compiled on the event of its 9th year of existence.

A list of Ph.D. theses on women in Malaysia /
[compiled by] Dayang Rukiah Awang Arut. Sabah: Perpustakaan Cabang, Universiti Kebangsaan Malaysia, 1995. 11p. LB2369 L57 1995 rf (UTM)

Senarai latihan ilmiah, kertas projek & tesis
[List of graduation exercises, project papers and theses] / oleh [by] Hussain Mohd & Masjiwa Hj Hanipah. Kuala Lumpur: Jabatan Antropologi & Sosiologi, Universiti Malaya, 1985. 55p. Z5115 Husm (UM-Law).
Lists over 600 graduation exercises which are listed firstly under broad subjects and under each subject titles are arranged by year of submission. Entries are listed in 2 columns, 1st column: name & year of submission; 2nd column: title. Master's dissertations are listed at the end. A listing of academic exercises for the years 1986/87 and 1987/88 is appended.

RESEARCH PUBLICATIONS & REPORTS

INTERNATIONAL ISLAMIC UNIVERSITY (IIU)

Publications and research activities at the International Islamic University 1982-1992.
Petaling Jaya: Research Centre, International Islamic University, 1993. LG173.1 I62R43P (UM)

Reports research activities between 1983-1992 in IIU. Entries are listed in 2 parts. Part 1, lists staff publications under Office of the Rector, Kulliyah of Law, Economics & Management, Islamic Revealed Knowledge & Human Sciences, Management and Research Centre. Part 2 lists research activities undertaken. Provides an author index.

UNIVERSITI KEBANGSAAN MALAYSIA (UKM)

Abstrak penyelidikan = Research abstracts, Universiti Kebangsaan Malaysia, 1980-1989
/ edited by Sharifah Mastura, S.A., Ungku Maimunah M.T. & Ramli Mat Suki. Bangi: Universiti Kebangsaan Malaysia, 1989. 332p. Q180 M4Abs (UM)

Laporan penyelidikan dan penerbitan, 1988-1989- [Report of research and publications].
Bangi: Universiti Kebangsaan Malaysia, 1989. 383p. LG173.1 K29UKMLP (UM-PPZ) 1989/90 (published in 1990). See also **Laporan tahunan.**

Laporan penyelidikan dan penerbitan, 1989-1990- [Report of research and publications].
Bangi: Universiti Kebangsaan Malaysia, 1990. 367p. LG173.1 K29UKMLP (UM-PPZ) 1989/90 (published in 1990).

Laporan tahunan. Kuala Lumpur: Universiti Kebangsaan Malaysia. 1971. [for the year 1970/71] . Changed its title to: **Laporan tahunan penyelidikan = Annual research report** from 1996 onwards.
Under each faculty or centre, information such as, list of staff, research topics and publication activities are provided.

Penerbitan pilihan ahli-ahli akademik Universiti Kebangsaan Malaysia [Selected publications of academic staff Universiti Kebangsaan Malaysia] / Ali Haji Ahmad. Kuala Lumpur: Perpustakaan Universiti Kebangsaan Malaysia, 1977. LG397 U5Aliha (UM-PPZ)

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Penerbitan Universiti Kebangsaan Malaysia = Universiti Kebangsaan Malaysia publications 1980-1988. Edited by Muhammad Haji Salleh et al. Bangi : Penerbit UKM, 1989.

Lists all staff publications from 1980-1988. Includes all types of academic publications by 1,014 lecturers and trainee lecturers from 17 faculties comprising 75 departments or units. Titles are listed under the 17 departments and divisions.

Profil penyelidikan Fakulti Perubatan Universiti Kebangsaan Malaysia, 1980-1989 / disunting oleh [edited by] Khalid Abdul Kadir, Tan Sor Har, Zariyah Abdul Rahman. Bangi : Fakulti Perubatan, Universiti Kebangsaan Malaysia, 1990. 489 p. ISBN 967-960-0157. Z6661 M4Pro

Provides information on researchers, research topics and includes publication listings for some departments. Contains about 1,091 publications from 19 faculties. The highest contribution is from the Faculty of General Medicine with 204 publications followed by Microbiology (141); Biochemistry (117); and Surgery (101).

UNIVERSITI MALAYA (UM)

Agricultural economic research: an annotated bibliography. Kuala Lumpur: Faculty of Agriculture, University of Malaya, 1970. Z5074 E3MUFA.

An annotated bibliography of health behaviour research Malaysia / Paul C.Y. Chen. Kuala Lumpur: Faculty of Medicine, University of Malaya, 1986. 68p. Z6673.6M4Che (UM)

Laporan kegiatan tahunan, 1991/1992-. Kuala Lumpur: Universiti Malaya, 1992-; latest 1992/93 published in 1994. See also **Laporan tahunan**.

From 1992 onwards research activities, publications and consultancy works are reported here. Reports for each department are listed under the respective faculties which are arranged in alphabetical order by 11 faculties and 57 departments under the various faculties. Includes information such as: departmental projects, seminars organised, staff activities (attendance at conferences,

papers presented); publications (books, periodical articles, conference papers, part of a book, translations, patents), consultancy activities & awards received. This publication constitutes the most current annual source of information for research publications.

Laporan tahunan / Universiti Malaya. Kuala Lumpur: Universiti Malaya, 1962-1991.

Between 1962-1991, the *Laporan* consists of reports from all departments inclusive of the chancellery, administrative divisions of the university, and research and publication activities of all university faculties, institutes and centres. Staff list, research activities and publications are listed under 4 faculties and 16 departments. Title changed to **Laporan kegiatan tahunan** in 1992.

Penerbitan akademik Fakulti Pendidikan [*Publications of academics, Faculty of Education*]. Kuala Lumpur: Fakulti Pendidikan, Universiti Malaya, 1993. 25p. 22 cm. LG173 A95 P3P (UM)

Published in conjunction with the 30th anniversary of the faculty. Titles are listed in three sections; books, part of a book and textbooks. Includes a synopsis of the contents.

Penyelidikan dan Pembangunan: (Program IRPA) [*Research and development: (IRPA programme)*] / S.K. Lam. Kuala Lumpur: Fakulti Perubatan, Universiti Malaya, 1994. W20.5 M4Pen

Penyelidikan, perundingan dan penerbitan di Universiti Malaya 1981 = Research, consultancies and publications at the University of Malaya 1981 / by Ungku A Aziz & Yip Yat Hong. Kuala Lumpur, Penerbit Universiti Malaya, 1983. 399p. ISBN 967-9940-15-2. LG396 A48P (UM)
Lists about 775 items.

Projek-projek penyelidikan dan penerbitan Universiti Malaya, 1959-1976 = Research projects and publications of the University of Malaya, 1959-1976. Compiled by Ungku A. Aziz & Yip Yat Hong. Kuala Lumpur: UM, 1977. 756 p. LG396 A484 Abdaah (UM-PPZ)

Entries are arranged under 3 sections. Sec.1: Completed research under Vote F and others.

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Sec.2: On-going research under Vote F. Sec.3: Staff publications. Includes author / subject indexes.

Publications and dissertations of the Department of Geography, University of Malaya 1959-1990. [See under Special theses listing, subsection, History & Geography].

Publications and theses, 1965/70, 1971-72. Kuala Lumpur: Fakulti Perubatan, 1972, 1973. Z6658 MUFM (Utama, Ref)
Contains abstracts of papers in journals and summaries of theses and books published by faculty members. Journal articles are arranged under broad medical subject areas. Includes an author index.

Research activities and publications at the University of Malaya, 1983. Compiled by Shaikha Zakaria and Zan Rokiah Abdul Rahim. Kuala Lumpur: UML, 1989. 458 p. LG396 A48P.
Contains about 1,306 entries. Collated staff publications in 1983 based on the return of 436 questionnaires sent out to 906 staff. Also provides useful overview of performance by each faculty. The text is divided into 3 parts. Part 1 lists research projects, names of researchers and abstracts. Part 2 provides the list of consultancy undertaken by the various faculties. Part 3 lists staff publications under each faculty. Provides name and keyword index. The UM Library is currently compiling the cumulative list of research activities from 1984-1997.

Research activities (Fakulti Perubatan Universiti Malaya). Kuala Lumpur: Dept of Medical Microbiology, Faculty of Medicine, Universiti Malaya, 1996. QR61 UMFPJMP (UM-IPT)

Senarai penerbitan, kertas persidangan dan penyelidikan semasa kakitangan akademik [List of publications, conference papers and current research of academic staff]. Kuala Lumpur: Fakulti Pergigian, Universiti Malaya, 1992, 107p. Z6668 UMFP. Updated in 1993.

Senarai projek penyelidikan, perundingan dan penerbitan Fakulti Ekonomi dan Pentadbiran, Universiti Malaya [List of research projects, consultancies and

publications, Faculty of Economics and Administration, University of Malaya]. Kuala Lumpur: Perpustakaan Universiti Malaya, 1987. Z7164 E2 U56 1987 wr (UTM)

Theses and dissertations for higher degree 1975-1978. Kuala Lumpur: Dept of Social & Preventive Medicine, Faculty of Medicine, University of Malaya, 1978. 15 leaves. 011.THE F MR PNM

University research in Malaysia, 1949-1961: with a bibliography of staff research and a list of theses & academic exercises submitted to the University of Malaya. Compiled by Patricia Lim. Kuala Lumpur: Universiti Malaya, 1968. (f) Z5055 M4Lim (UM-PPZ)

UNIVERSITI PUTRA MALAYSIA (UPM)

Abstrak penyelidikan 1988-1989 = Research abstract 1988-1989. Compiled by Khor Geok Lin. Serdang: Jabatan Pengajian Pembangunan Manusia, UPM, 1990. Q180 M4APUPM (UM) (UPM)

Abstrak tulisan pegawai-pegawai Universiti Pertanian Malaysia 1971-1978 [Abstracts of publications of the staff of Universiti Pertanian Malaysia]. Serdang: Perpustakaan UPM, 1979. 70p. Z5055 M4UPMPA. Arranged under 23 subject areas and under each subject, entries are by title A-Z. All entries are given a running number. Bibliographic details included are: author, source, abstract. Includes an author index.

Aktiviti penyelidikan dan pembangunan = Research and development activities. Serdang: Universiti Pertanian Malaysia, 1987. 72p. QA415 A2U58 (UPM)

Buku buku terbitan pegawai-pegawai Universiti Pertanian Malaysia [Books published by staff of Universiti Pertanian Malaysia]. Serdang: Perpustakaan UPM, 1983. LG173 S45 Buk (UM)

Communications research abstracts (1974-1983). Serdang: Jabatan Komunikasi Pengembangan, Universiti Pertanian Malaysia, 1983.(PNM)

Sources on Malaysian Dissertations and Academic Research Activities

- Laporan penyelidikan.* Serdang: Jabatan Biologi, Fakulti Sains dan Pengajian Alam Sekitar, Universiti Pertanian Malaysia, 1986- QH320 M3L315 (UPM). Annual
- Laporan projek [Project report]* / Universiti Pertanian Malaysia. Serdang: Perpustakaan Universiti Pertanian Malaysia, 1977. Z5055 M4UPMPL (UM-PPZ).
Entries are arranged under the respective faculties.
- Laporan tahunan* Serdang : Universiti Pertanian Malaysia, 1969/70-. Latest - 1996
Includes the Vice Chancellor's report and the research and publication activities of all faculties including the library.
- Penerbitan pegawai-pegawai Universiti Pertanian Malaysia 1971-1981* / compiled by Salmah Salleh. Serdang: Perpustakaan UPM, 1985. xiv, 505 p. 23 cm. LG173.1 P49Pen (PPZ), 011.54 PPUPM F MS
- Penerbitan pegawai-pegawai Universiti Pertanian Malaysia 1982-1985.* Compiled by Aishah Mohd Nasir. Serdang: Perpustakaan UPM, 1990. Z5055 P398 (UPM)
- Penerbitan pegawai-pegawai Universiti Pertanian Malaysia 1986 [Publications of officers of Universiti Pertanian Malaysia 1986]* / compiled by Aishah Mohd Nasir. Serdang: Perpustakaan UPM, 1987. xii, 148p. 29 cm. (f) Z5055 P398 1986 (UPM).
- Penerbitan pegawai-pegawai Universiti Pertanian Malaysia 1987 [Publications of officers of Universiti Pertanian Malaysia 1987]* / compiled by Aishah Mohd Nasir. Serdang: Perpustakaan UPM, 1988. xii, 148p. 29 cm. (f) Z5055 P398 1987 (UPM).
- Penerbitan pegawai-pegawai Universiti Pertanian Malaysia 1988 [Publications of officers of Universiti Pertanian Malaysia 1988]* / compiled by Aishah Mohd Nasir. Serdang: Perpustakaan UPM, 1989. xii, 148p. 29 cm. (f) Z5055 P398 1988 (UPM).
- Penerbitan pegawai-pegawai Universiti Pertanian Malaysia 1989 [Publications of officers of Universiti Pertanian Malaysia 1989]* / compiled by Aishah Mohd Nasir. Serdang: Perpustakaan UPM, 1990. xii, 148p. 29 cm. (f) Z5055 P398 1989 (UPM).
- Research abstracts in extension education and development community, 1981-1985.* Compiled by Maimunah Ismail & Ezhar Timam. Serdang: Centre for Extension and Continuing Education, Universiti Pertanian Malaysia, 1986. S544.5 M3 M223 (UPM), S544.5 M4 Maii (UM)
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