



9. LIST OF PUBLICATIONS

9.1 JOURNAL

No	Title of Publication	Year
1	Effandi Zakaria , Zainah Yazid & Sabri Ahmad. 2009. Exploring Matriculation Students' Metacognitive Awareness and Achievement in Mathematics Course. <i>The International Journal of Learning</i> , 16 (2):333-347 Indexed in Scopus, Ulrich, Cabell, Proquest	2009/ International Journal
2	Effandi Zakaria , Md. Yusoff Daud & Subahan M. Meerah. 2009. Perceived Needs of Urban and Rural Mathematics Majors Teaching Science in Malaysian Secondary Schools. <i>International Education Studies</i> , 2(2):82-89. Indexed in AMICUS, Canadiana	2009/ International Journal
3	Effandi Zakaria & Normah Yusoff. 2009. Attitudes And Problem-Solving Skills In Algebra Among Malaysian Matriculation College Students. <i>European Journal of Social Sciences</i> , 8 (2):232-245. Indexed in EBSCO, Ulrich, SSRN, DOAJ, Cabell, SSCI	2009/ International Journal
4	Faridah Salleh & Effandi Zakaria . 2009. Non-Routine Problem Solving and Attitudes towards Problem-Solving among High Achievers, <i>The International Journal of Learning</i> , 16(5):549-559 Indexed in Scopus, Ulrich, Cabell, Proquest	2009/ International Journal
5	Effandi Zakaria & Norliza Zaini. 2009. Conceptual and Procedural Knowledge of Rational Numbers in Trainee Teachers. <i>European Journal of Social Sciences</i> , 9 (2):202-217 Indexed in EBSCO, Ulrich, SSRN, DOAJ, Cabell, SSCI	2009/ International Journal



6	<p>Effandi Zakaria & Md. Yusoff Daud. 2009. Assessing Mathematics Teachers' Profesional Development Needs. <i>European Journal of Social Sciences</i>, 8 (2):225-231.</p> <p>Indexed in EBSCO, Ulrich, SSRN, DOAJ, Cabell, SSCI</p>	<p>2009/ International Journal</p>
7	<p>Siti Mistima & Effandi Zakaria. Mathematics Beliefs and Achievement among Engineering Technology Students. 2009. <i>The International Journal of Learning</i>, 16(7):39-48</p> <p>Indexed in Scopus, Ulrich, Cabell, Proquest</p>	<p>2009/ International Journal</p>
8	<p>Hutkemri & Effandi Zakaria. The Effect of Information Mapping Strategy On Mathematics Conceptual Knowledge Of Junior High School Student. <i>Journal of US-China Education Review</i>. (Accepted for publication, January, vol 1, 2010)</p>	<p>2009/ International Journal</p>
9	<p>Effandi Zakaria & Md. Yusof Daud. 2008. Using MOODLE in a Mathematical Methods Course. <i>The International Journal of Learning</i>, 15(4):293-298</p> <p>Indexed in Scopus, Ulrich, Cabell, Proquest</p>	<p>2008/ International Journal</p>
10	<p>Effandi Zakaria & Norazah Mohd Nordin. 2008. The effects of mathematics anxiety on matriculation students as related to motivation and achievement <i>Eurasia Journal of Mathematics, Science & Technology Education</i>, 4(1),27-30.</p> <p>(Indexed in EBSCO, SCOPUS, Cabell's Directory Index, Higher Education Teaching and Learning Journals, Index Copernicus)</p>	<p>2008/ International Journal</p>
11	<p>Effandi Zakaria & Zanaton Iksan. 2007. Promoting Cooperative learning In Science and Mathematics Education: A Malaysian Perspective. <i>Eurasia Journal of Mathematics, Science & Technology Education</i>, 3(1),3-15.</p> <p>(Indexed in EBSCO, SCOPUS, Cabell's Directory Index, Higher Education Teaching and Learning Journals, Index Copernicus)</p>	<p>2007/ International Journal</p>
12	<p>Effandi Zakaria & Abd Razak Habib. 2006. Kesan Pembelajaran Koperatif ke atas pelajar Matrikulasi Dalam matapelajaran matematik [<i>The effects of Cooperative learning on matriculation students in mathematics</i>]. <i>Jurnal Teknologi E</i>(45): 43-62</p>	<p>2006/ National Journal</p>



13	Effandi Zakaria & Zolkepli Haron, Md Yussof Daud, 2004, The Reliability And Construct Validity Of Scores On The Attitudes Toward Problem Solving Scale, <i>Journal of Science and mathematics Education in Southeast Asia</i> , 27(2):81-91.	2004/ International Journal
14	Effandi Zakaria . 1997. Sikap pelajar terhadap Matematik Tambahan: Hubungannya dengan pencapaian akademik, [<i>Attitudes of students towards Additional Mathematics and its relationship to academic achievement</i>], <i>Classroom Teacher</i> , 2(1):22-26.	1997/ National Journal

9.2 BOOKS

No	Title of Publication
1	Tan, K.H., Subramaniam, G. & Effandi Zakaria , 2008. English for Science and Technical Purposes, Kuala Lumpur: Prentice Hall ISBN:983-3205-94-1
2	Effandi Zakaria , Norazah Nordin & Sabri Ahmad. 2007. Trend Pengajaran & Pembelajaran Matematik. [<i>Trends in Mathematics Teaching and Learning</i>]. Kuala Lumpur: Utusan Publications & Distributors (ms.157) ISBN 978-967-61-1994-6.
3	Effandi Zakaria . 2005, Asas Pembelajaran Koperatif Dalam Matematik. [<i>Foundation of Cooperative Learning in Mathematics</i>] Karisma Publication Sdn Bhd, Shah Alam. (156.m.s.) ISBN 983-195-121-2.

9.3 CHAPTERS IN BOOK

No	Title of Publications
1	Md Yusoff Daud & Effandi Zakaria . 2009. E-Pembelajaran: Penggunaan Yahoo Groups Dalam Pengajaran dan Pembelajaran . Saemah, R., Mohd Izham., & Auzar (Eds). [<i>E-Learning: The Use of Yahoo Groups in Teaching and Learning</i>] <i>Reformasi Pendidikan Serantau</i> , ISBN: 978-983-2267-05-8, Fakulti Pendidikan Universiti Kebangsaan Malaysia



2	Zolkepli Haron, Lilia Halim & Effandi Zakaria . 2009. Teaching Physics to gifted students. In Ramlee Mustapha, Norzaini Azman & Abdul Razak Ahmad (Ed), Education for Diverse Learners, pg 179-186. Serdang: Universiti Putra Malaysia Press
3	Effandi Zakaria , Md Yusoff Daud & Norazah Mohd Nordin. 2008. Aplikasi Perisian MOODLE dalam Pengajaran & Pembelajaran Matematik. [<i>Application of MOODLE software in Mathematics Teaching and Learning</i>]. Dlm Norazah Mohd Nordin & Mohamed Amin Embi. <i>Pengintegrasian ICT dalam Pendidikan</i> , 39-46, Karisma Publications
4	Norazah Mohd Nordin & Effandi Zakaria . 2008. Penggunaan Webquest dlm Pengajaran & Pembelajaran Matematik. [<i>The Use of Webquest in Mathematics Teaching and Learning</i>]. Dlm Norazah Mohd Nordin & Mohamed Amin Embi. <i>Pengintegrasian ICT dalam Pendidikan</i> , 25-38, Karisma Publications
5	Md Yusoff Daud & Effandi Zakaria . 2008. Pemupukan Nilai Berkerjasama Melalui Aplikasi Yahoo Groups dalam Pengajaran dan Pembelajaran Sains. [<i>Nurturing Cooperation Through Application of Yahoo Groups in the Teaching and Learning of Science</i>]. Dlm Mohd Arif & Amla. <i>Media: Penerapan dan Pemupukan Nilai</i>
6	Effandi Zakaria , Zolkepli Haron & Mohd Mokhtar Tahar. 2007. Pengajaran dan Pembelajaran Matematik Berkesan. [<i>Effective Teaching and Learning in Mathematics</i>]. Dlm Effandi, Norazah & Sabri (pnyt), Trend Dalam Pengajaran & Pembelajaran Matematik, hlm 1-14. Kuala Lumpur: Utusan Publications & Distributors.
7	Effandi Zakaria . 2007. Pendekatan Pembelajaran Koperatif Dalam Kelas Matematik. Dlm Effandi, Norazah & Sabri (pnyt), [<i>Cooperative Learning in the Mathematics Classroom</i>]. Trend Dalam Pengajaran & Pembelajaran Matematik, hlm 15-28. Kuala Lumpur: Utusan Publications & Distributors.
8	Effandi Zakaria , Md. Yusoff Daud & Norazah Mohd Nordin. 2007. Teknologi Dalam Pengajaran dan Pembelajaran Matematik. [<i>Technology in Mathematics Teaching and Learning</i>]. Dlm Effandi, Norazah & Sabri (pnyt), Trend Dalam Pengajaran & Pembelajaran Matematik, hlm 51-60. Kuala Lumpur: Utusan Publications & Distributors.
9	Norazah Mohd Nordin & Effandi Zakaria . 2007. Pembelajaran Matematik Berbantuan Komputer. [<i>Computer Assisted Learning in Mathematics</i>]. Dlm Effandi, Norazah & Sabri (pnyt), Trend Dalam Pengajaran & Pembelajaran Matematik, hlm 67-78. Kuala Lumpur: Utusan Publications & Distributors.



10	Rohani Aziz, Mohamad Johari Yaakob & Effandi Zakaria . 2007. Pemahaman Konseptual dan Prosedural dalam Matematik. [<i>Conceptual and Procedural Understanding in Mathematics</i>]. Dlm Effandi, Norazah & Sabri Ahmad(pnyt), Trend Dalam Pengajaran & Pembelajaran Matematik, hlm 80 94. Kuala Lumpur: Utusan Publications & Distributors
11	Norliza Zaini & Effandi Zakaria , 2007. Konsep Dalam Matematik . [<i>Concepts in Mathematics</i>]. Dlm Effandi, Norazah & Sabri (pnyt). Trend Pengajaran Dan Pembelajaran Matematik , Siri Pengajian Dan Pendidikan Utusan ,148-160(10) , Utusan Publications & Distributors Sdn Bhd , Kuala Lumpur.

9.4 RESEARCH REPORT

No	Title of Publications
1	Laporan Penyelidikan, Impak Penggunaan Penyepaduan Strategi Pengajaran Di Bilik Darjah. [<i>The Impact of Using Integrated Teaching Strategy in the Classroom</i>] GG/014/2003
2	Laporan Penyelidikan, Keperluan Professional Guru-Guru Matematik. [<i>Professional Needs of Mathematics Teachers</i>]. G/013/2005(TB)
3	Laporan Penyelidikan, Penyelesaian Masalah Prosedural dan Konseptual di Kalangan Pelajar Sekolah Menengah. [<i>Solving Conceptual and Procedural Problems Among Secondary School Students</i>]. GG/008/2005.
4	Laporan Penyelidikan Cuti Sabatikal. 2008. Aplikasi MOODLE Dalam Kursus Kaedah Matematik. [<i>The Application of MOODLE in a Mathematical Methods Course</i>]



9.5 CONFERENCE PROCEEDINGS

No	Title of Publications	Status
1	Effandi Zakaria & Zainah Yazid. 2009. Metacognitive awareness and achievement in mathematics, International Conference in Mathematics, Statistics and its Application (ICMSA), 9-11 June 2009, Bukit Tinggi, Indonesia.	International
2	Md. Yusoff Daud & Effandi Zakaria. (2009). Teknologi maklumat dan komunikasi dalam penyelidikan: Aplikasi Portal Yahoo. [<i>Information Technology and Communication in Research: Yahoo Portal Application</i>]. Prosiding Seminar Pendidikan Serantau Ke-4. Fakulti Pendidikan UKM dan UNRI.	International
3	Ismail Hj Raduan, Effandi Zakaria & Subahan Mohd Meerah (2009). Pengukuran aktiviti kognitif dan metakognitif dalam penyelesaian masalah matematik berayat. [<i>Measuring Cognitive and Metacognitive Activities in Solving Word-Problems</i>]. Prosiding Seminar Pendidikan Serantau Ke-4. Fakulti Pendidikan UKM dan UNRI.	International
4	Zulkarnain, Effandi Zakaria & Ramlee Mustapha. (2009). Pembelajaran matematik yang diawali dengan soal cerita untuk meningkatkan hasil belajar Matematika siswa kelas V-A SDN 003, Rumbai,Pekan Baru, Indonesia. [<i>Learning Mathematics Through Word-Problems</i>]. Prosiding Seminar Pendidikan Serantau Ke-4. Fakulti Pendidikan UKM dan UNRI.	International
5	Hutkemri & Effandi Zakaria. (2009). Kesan penggunaan strategi pemetaan informasi dalam matematik terhadap pengetahuan konseptual pelajar. [<i>The Effects of Using Information Mapping Strategy on Mathematical Conceptual Knowledge</i>]. Prosiding Seminar Pendidikan Serantau Ke-4. Fakulti Pendidikan UKM dan UNRI.	International



6	Effandi Zakaria. 2008. Mathematics Teachers' Professional Development Needs. Proceedings of the 1st East- Asian International Symposium on Teacher Education Research. Hosei University, Ichigaya Campus, Tokyo.	International
7	Effandi Zakaria, MdYusof Daud, Zolkepeli Haron. 2008. Preservice Mathematics Teachers' Perception Toward MOODLE Courseware. Paper presented at the Fifth International Conference on Science, Mathematics & Technology Education Conference, Curtin University Australia & Rajabhat University, Udon Thani, Thailand.	International
8	Norazah Nordin, Effandi Zakaria, Mohamed Amin Embi & Ruhizan Mohd Yassin. 2008. Pedagogical Usability of the Geometer's Sketchpad (GSP) Digital Module in the Mathematics Teaching. Proceedings of the 7th WSEAS International Conference on Education & Educational Technology (EDU'08)	International
9	Sabri Ahmad, Zul Izwan Mohtar, Abu Osman Md. Tap & Effandi Zakaria. 2008. Menilai Tahap Persetujuan Gaya Pembelajaran Pelajar Dengan Pendekatan Konjoin Kabur. [<i>Evaluation of Students Learning Style Agreement Level Using Fuzzy Conjoint Approach</i>]. Prosiding Seminar Matematik & Masyarakat. Universiti Malaysia Terengganu. 13-14 Februari 2008.	National
10	Md Yusoff Daud, & Effandi Zakaria. 2008. Pemupukan nilai bekerjasama melalui aplikasi yahoo groups dalam pengajaran dan pembelajaran Sains. [<i>Nurturing Cooperation Through Yahoo Group Application in Teaching and Learning Science</i>]. Seminar Pembestarian Pendidikan: Penerapan dan Pengukuhan Nilai Melalui Media.	National
11	Md Yusof Daud & Effandi Zakaria. 2007. E-Pembelajaran: Penggunaan Yahoo Groups dalam Pengajaran dan Pembelajaran. [<i>E-Learning: The Use of Yahoo Group in Teaching and Learning</i>]. Prosiding Seminar Antarabangsa Pendidikan Serantau III, Pekan Baru Riau, Indonesia.	International



12	Effandi Zakaria , Md Yusoff Daud & Norazah Nordin. 2007. Penggunaan Pendekatan Berasaskan Web Dalam Pengajaran dan Pembelajaran Kursus-Kursus Pendidikan Matematik. <i>[The Use of Web-Based Approach in Teaching and Learning of Mathematics Education Courses]</i> . Prosiding Kebangsaan Seminar Isu-Isu Pendidikan Negara ke 3. Fakulti Pendidikan, UKM.	National
13	Md Yusoff Daud & Effandi Zakaria . 2007. Tahap Kesiediaan, Pengetahuan dan Kemahiran Pelajar Program Sarjana Muda Pendidikan (Sains) Tahun Akhir Dalam Mengaplikasi Komputer Dalam P & P. <i>[The Level of Readiness, Knowledge and Skills in the Application of Computer in Teaching and Learning Among Final Year Students in Science Education Undergraduate Programme]</i> . Prosiding Kebangsaan Seminar Isu-Isu Pendidikan Negara ke 3. Fakulti Pendidikan, UKM.	National
14	Zuria Mahmaud, Juriah Long, Mohammed Amin Embi, Norani Mohd Salleh, Effandi Zakaria , Rosseni Din & Norshidah Mohd Salleh. 2006. Memperkasakan penyelidikan di Fakulti Pendidikan. <i>[Research in the Faculty of Education]</i> . Prosiding Kolokium Fakulti Pendidikan Ke-11.	National
15	Effandi Zakaria & Aliza Alias, 2005, Perceived Professional Needs of Mathematics Teachers, International Conference on Quantitative Sciences and its Application: Penang (ERIC Document ED490792).	International
16	Faridah bt Salleh, Effandi Zakaria & Sabri Ahmad. 2005. Penyelesaian Masalah Matematik Bukan Rutin Di Kalangan Pelajar Cemerlang. <i>[Non-Routine Problem Solving Among High Achievers]</i> . Prosiding Seminar Matematik dan Masyarakat, KUSTEM, Terengganu, hlm 257-272	National
17	Effandi Zakaria , Zolkepli Haron, Sobri Ahmad, 2005, Kebolehpercayaan dan Keesahan Konstruk Bagi Skala Sikap Terhadap Penyelesaian Masalah. <i>[The Reliability and Construct Validity of Attitudes Towards Problem Solving Scale]</i> . Simposium Kebangsaan Sains Matematik ke xiii, Hotel Holliday Villa Alor Star, Kedah, pg 202-206.	National



18	Effandi Zakaria , Md Yusoff Daud, Zolkepel Haron, Subahan Mohd Meerah, 2005, Keperluan guru-guru pengkhususan matematik mengajar sains, [<i>The Needs of Teacher Majoring in Mathematics Teaching Science</i>]. Seminar Kebangsaan JPPG 2005 anjuran Pusat Pengajian Ilmu Pendidikan, USM.	National
19	Effandi Zakaria , Zolkepel Haron & Mohd Mokhtar Tahar. 2004. Pengajaran Berkesan Bagi Murid Berpencapaian Rendah Dalam Pembelajaran Matematik, [<i>Effective Teaching For Low Achievers in Learning Mathematics</i>]. Prosiding Seminar Kebangsaan Pendidikan Khas, Universiti Kebangsaan Malaysia, Jilid 2, hlm 317-327.	National
20	Zolkepel Haron, Lilia Halim & Effandi Zakaria . 2004. Teaching Physics to gifted students: What teachers should do?, Prosiding Seminar Kebangsaan Pendidikan Khas, Universiti Kebangsaan Malaysia, Jilid 2, hlm 378-386	National
21	Rashidi Azizan, Effandi Zakaria , & Md Yusof. 2004. Kemahiran Berfikir Secara Kritis Dan Kreatif Di Kalangan Pelajar Science Fakulti Pendidikan Universiti Kebangsaan Malaysia Bagi Tajuk "Keseimbangan Alam", [<i>Creative and Critical Thinking Among Science Students in the Faculty of Education</i>]. Proceedings of National Conference on Science and Mathematics Education, Universiti Malaya.	National
22	Zolkepel Haron, Effandi Zakaria , Hukil Sino & Abdul Rahim Omar. 2004. Kesiediaan pelajar PJJ UKM terhadap penerimaan bahan pengajaran pembelajaran melalui internet. [<i>The Readiness of Distance Education Students in using material through the Internet</i>]. Prosiding Seminar Kebangsaan Pengajian Jarak Jauh, hlm 64-74	National
23	Effandi Zakaria . 2003. Kesan Pembelajaran Koperatif Ke Atas Pencapaian dan Sikap Pelajar Terhadap Matematik dan Penyelesaian Masalah, [<i>The Effects of Cooperative Learning on Achievement and Attitudes Towards Mathematics and Problem Solving</i>]. Prosiding Simposium Kebangsaan Sains Matematik ke XI, hlm 368-377.	National
24	Zolkepel Haron, Effandi Zakaria , Zurina Mahadi & Hukil Sino. 2001, Persepsi pelajar PJJ UKM terhadap bahan pembelajaran secara online. [<i>The Perception of PJJ UKM Students Towards Online Learning Materials</i>]. Prosiding Konvensyen Teknologi Pendidikan ke 4, Persatuan Teknologi Pendidikan Malaysia, hlm 247-257.	National



25	Effandi Zakaria. 2001. Pembelajaran koperatif dalam matematik: Pelaksanaan, masalah dan kelebihannya, [<i>Cooperative Learning in Mathematics: Implementation, Problems and Benefits</i>]. Prosiding Seminar Pendidikan Kebangsaan. Fakulti Pendidikan UKM, hlm 339-348.	National
26	Effandi Zakaria. 1998. Penyelesaian masalah matematik secara koperatif, [<i>Cooperative Problem Solving in Mathematics</i>]. Prosiding Seminar Pembelajaran Matematik. Fakulti Sains dan Matematik. UKM, hlm 7-12.	National

9.6. CONFERENCE PAPERS

No	Title of Publicaon	Status
1	Hutkemri & Effandi Zakaria. 2008. Penggunaan Strategi pemetaan Informasi Dalam Pembelajaran Matematik. [<i>The Use of Information Mapping Strategy in Mathematics Learning</i>]. Science and Mathematics Education Regional Conference. 1-3 December 2008.	International
2	Zunariah Mahamad. Effandi Zakaria & Norazah Mohd Nordin. 2008. Persepsi Pelajar Terhadap Penggunaan Kalkulator Grafik Dalam Pengajaran dan Pembelajaran Matematik Tambahan. [<i>Students' Perception Towards the Use of Graphic Calculator in Mathematics Teaching and Learning</i>]. Science and Mathematics Education Regional Conference. 1-3 December 2008.	International
3	Siti Mistima & Effandi Zakaria. 2008. Sikap Terhadap Penyelesaian Masalah dan Kesedaran Metakognitif Pelajar-pelajar Institusi Teknikal Berpencapaian Rendah dalam Matematik. [<i>Attitudes Towards Problem Solving and Metacognitive Awareness of Low Achievers in Mathematics Among Technical Institute Students</i>]. Seminar Kebangsaan Pendidikan Matematik. UTM, Johor.	National
4	Effandi Zakaria & Tam Siew Shong, 2004, Kesilapan yang pelajar lakukan dalam topik geometri koordinat Tg 4, [<i>Errors Make by Students in the Topic of Coordinate Geometry</i>]. Seminar Kebangsaan Sains Matematik,	National



	Universiti Islam Antarabangsa, Disember.	
5	Effandi Zakaria , Norain Tajuddin, Ummul Khair Salam Hj Din, 2000, Metakognisi dan penyelesaian masalah matematik di kalangan pelajar Matrikulasi Sains, <i>[Metacognition and Mathematical Problem Solving Among Matriculation Science Students]</i> . Seminar Pendidikan Sains dan Matematik. Simposains 2000. Fakulti Sains, UITM, 2-3 Oktober 2000.	National