



The National University of Malaysia

Universiti Kebangsaan Malaysia

Guardian of The Nation (*Pendaulat Amanah Negara*)

CENTRE OF TEACHING AND LEARNING INNOVATION

(Pusat Inovasi Pembelajaran dan Pengajaran)

FACULTY OF EDUCATION, UKM (*Fakulti Pendidikan, UKM*)

NAME (<i>Nama</i>)	ROSLINDA ROSLI
CURRENT POSITION (<i>Jawatan Sekarang</i>)	SENIOR LECTURER /PENSYARAH UNIVERSITI DS51 HEAD OF MASTER PROGRAM /KETUA PROGRAM SARJANA
OFFICE ADDRESS (<i>Alamat Pejabat</i>)	D205 FACULTY OF EDUCATION/ FAKULTI PENDIDIKAN
TELEPHONE NUMBER (<i>Nombor Telefon</i>)	(Pej/Office): 03-89216290 (HP): 018-3149471
EMAIL/WEBSITE (<i>E-Mel/ Laman Web</i>)	Email: roslinda@ukm.edu.my
ACADEMIC QUALIFICATION (<i>Kelayakan Akademik</i>)	<ul style="list-style-type: none"> • Ph. D in Curriculum and Instruction, Texas A&M University, 2013 (emphasis in Mathematics Education) • Master in Education, University of Malaya, 2004 (emphasis in Mathematics Education) • Bachelor in Business Administration (Hons) Insurance, Universiti Teknologi MARA (UiTM), 2000 • Diploma in Actuarial Science, Universiti Teknologi MARA (UiTM), 1998
AREA OF SPECIALIZATIONS (<i>Bidang Kepakaran</i>)	<ul style="list-style-type: none"> • Mathematics education
RESEARCH INTEREST (<i>Bidang Penyelidikan</i>)	<ul style="list-style-type: none"> • Problem Posing • Problem Solving • Mathematics Knowledge for Teaching • Mathematics Teacher Education • Mathematics for Learning Disability
WORK EXPERIENCES (<i>Pengalaman Kerja (Di Ukm &</i>	Senior Lecturer Department of Teaching and Learning Innovation, The National University of Malaysia

Luar))	<p>Mathematics Lecturer</p> <ul style="list-style-type: none"> • Australian Matriculation Program (AUSMAT), Universiti Teknologi MARA, Malaysia (2004-2007) • INPENS International College, Malaysia (2002-2004) • Baitulmal Professional Institute, Malaysia, (2000-2002) 															
<p>SUPERVISION OF STUDENTS: (Penyeliaan (Tempoh 5 Tahun/ Tamat Pengajian))</p> <table border="1" data-bbox="277 596 1292 705"> <thead> <tr> <th>Level</th> <th>Finish</th> <th>In Progress</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Ph. D</td> <td></td> <td>6</td> <td>6</td> </tr> <tr> <td>Master</td> <td>20</td> <td>10</td> <td>30</td> </tr> </tbody> </table>					Level	Finish	In Progress	Total	Ph. D		6	6	Master	20	10	30
Level	Finish	In Progress	Total													
Ph. D		6	6													
Master	20	10	30													
No.	Title of Thesis (Tajuk Tesis)	Name of Students (Nama Pelajar)	Years (Tahun Lulus)	Stage of Supervision (Peringkat Penyeliaan)												
Doctor of Philosophy																
1	Pembangunan dan keberkesanan modul interaktif SM-Aeromech dalam peningkatan pencapaian dan pemantapan kemahiran inventif digital bagi tajuk sukatan membulat	K Mohan Kathan	-	Passed Proposal Defense												
2	Amalan penyoalan lisan guru bagi menerapkan kemahiran berfikir aras tinggi pelajar dalam pengajaran Trigonometri II	Siti Ruzila Hassan	-	Passed Proposal Defense												
3	Pembangunan dan keberkesanan modul matematik bermain bagi pelajar berkeperluan khas	Nor Fadhlina Abu Bakar	-	Passed Proposal Defense												
4	Pembinaan dan keberkesanan modul penjaan masalah algebra bagi kemahiran penyelesaian masalah dan pencapaian	Rohani Ahsan@Hamsan	-	In Progress												
5	Pembangunan aplikasi mobile bagi pembelajaran kalkulus	Nur Iryanti Linda Jolis	-	In Progress												
6	Pembinaan dan keberkesanan modul discovery learning STEM dalam topik geometri	Nur Choiro Siregar	-	Passed Proposal Defense												
7	Penjaan Masalah Matematik di Peringkat Sekolah Rendah	Aze Fauziah Suib	-	In Progress												
Master																
1	Meta-analisis kesan penggunaan kalkulator grafik dalam pengajaran dan pembelajaran matematik	Nur Ezzatul Hamizah binti Mukhtar	2017	Completed												
2	Analisis keupayaan pelajar sarjana menjana dan	Nur Ain Syakira	2017	Completed												

	menyelesaikan maslaah konsep pola matematik	binti Ahmad Bastamam		
3	Analisa penjanaan masalah dalam kalangan guru-guru sekolah menengah di Seremban	Wreyana binti Mohd Hambari	2017	Completed
4	Pengetahuan kandungan pensyarah matrikulasi dalam topik pilih atur dan gabungan	Rusydah binti Usry	2016	Completed
5	Penyoalan lisan dalam pengajaran dan pembelajaran matematik: Kajian kes dua orang guru matematik sekolah rendah	Muhammad Sofwan bin Mahmud	2016	Completed

No.	Latest Awards & Achievements (Anugerah Dan Pencapaian (2010 – Kini))		Year (Tahun)								
1	Excellent Service Award, Faculty of Education		2016								
2	Bronze Medal in Pertandingan Inovasi P&P Hari K-Novasi 2016		2016								
3	Gold Medal in Hari Inovasi 2015 Penghasilan Bahan Inovasi dan Modul bagi Pengajaran dan Pembelajaran Nombor Bulat		2015								
No.	Honors (Penghormatan)		Year (Tahun)								
1	Ministry of Higher Education of Malaysia Scholarship (PhD), United States of America		August 2008-February 2013								
No.	Penerbitan (Jurnal, Buku, & Bab Dalam Buku) (2010 – Kini: 10 terbaik) (Latest Publications, Journal, Book & Chapter in Book –The best of 10)		Tahun (Year)								
	<table border="1"> <thead> <tr> <th>Type</th> <th>Jumlah</th> </tr> </thead> <tbody> <tr> <td>Journal</td> <td>18</td> </tr> <tr> <td>Book</td> <td>1</td> </tr> <tr> <td>Chapter in Book</td> <td>8</td> </tr> </tbody> </table>		Type	Jumlah	Journal	18	Book	1	Chapter in Book	8	
Type	Jumlah										
Journal	18										
Book	1										
Chapter in Book	8										
Journal											
1	Rosli, R. , Goldsby, D., Onwuegbuzie, A. J., Capraro, M.M., & Capraro, R.M. (In Press). Utilizing multiple tasks in assessing elementary preservice teachers' knowledge, perceptiaons and attitudes towards fractions. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> .		In press								
2	Younes, R. G., Capraro, R. M., Capraro, M. M., Rosli, R. , Lee, Y., Bicer, A., Vela, K., & Caldwell, C. (In press). Increasing retention and performance for high school women in mathematics and sciences: STEM project based learning. <i>Journal of Advanced Manufacturing Technology</i> .		In press								
3	Bakar, N. S. A., Maat, S. M., & Rosli, R. (2018). A Systematic Review of Teacher's Self-efficacy and Technology Integration. <i>International Journal of Academic Research in Business and Social Sciences</i> , 8(8), 540–557.		2018								
4	Rosli, R. , & Teo, W. L. (2018) Children Early Mathematics Development Based on a Free Play Activity. <i>Creative Education</i> , 9, 1174-1185. doi: 10.4236/ce.2018.97087.		2018								

5	Rosli, R. , Capraro, M. M., & Maat, S. M. (2018). Middle school preservice teachers' knowledge of division with a remainder. <i>Advanced Science Letter</i> , 24 (11), 8526-8529	2018
6	Teo, W. L. & Rosli, R. (2017). Rural School Student's Perception about Learning Mathematics in English. <i>Research Journal of Applied Sciences</i> , 12, 148-156	2017
7	Rosli, M. K., Maat, S.M. & Rosli, R. (2017). Students' attitude and anxiety towards statistics: A descriptive analysis. <i>Research on Education and Psychology (REP)</i> , 1(1), 47-56.	2017
8	Maat, S. M., Zakaria, E., & Rosli, R. (2016). Validating mathematics teachers teaching practices questionnaire using rasch measurement model. <i>Social Sciences</i> , 11(18), 4419-4422. (SCOPUS)	2016
9	Han, S., Rosli, R. , Capraro, M. M., & Capraro, R. M. (2016). The effect of science, technology, engineering and mathematics (STEM) Project Based Learning (PBL) on students' achievement in four mathematics topics. <i>Journal of Turkish Science Education</i> , 11(1), 3-23. (SCOPUS)	2016
10	Suib, A. F., Rosli, R. , & Capraro, M. M. (2016). Primary school mathematics teachers' perspectives about problem posing activity. <i>Social Sciences</i> , 11(20), 4992-4997.	2016
11	Usry, R., Rosli, R. , & Maat, S. M. (2016). An error analysis of matriculation students' permutations and combinations. <i>Indian Journal of Science and Technology</i> , 9(4). (SCOPUS)	2016
12	Hassan, S. R., Rosli, R. , & Zakaria, E. (2016). The use of i-Think map and questioning to promote higher-order thinking skills in mathematics. <i>Creative Education</i> , 7(07), 1069. (ERA)	2016
13	Rosli, R. , Goldsby, D., & Capraro, M. M. (2015). Using manipulatives in solving and posing mathematical problems. <i>Creative Education</i> , 6(16), 1718. (ERA)	2015
14	Rosli, R. , Capraro, M. M., & Capraro, R. M. (2014). The effects of problem posing on student mathematical learning: A meta-analysis. <i>International Education Studies</i> , 7, 12 (SCOPUS)	2014
15	Onwuegbuzie, A. J., Rosli, R. , Ingram, J. M., Frels, R. K. (2014). A critical dialectical pluralistic examination of the lived experience of women doctoral students. <i>The Qualitative Report</i> , 19(5), 1-35. (SCOPUS)	2014
16	Rosli, R. , Goldsby, D., & Capraro, M. M. (2013). Assessing students' mathematical problem solving and problem posing. <i>Asian Social Science</i> , 16, 54-60. doi: 10.5539/ass (SCOPUS)	2013
17	Anderson, M. T., Ingram, J. M., Buford, B. J., Rosli, R. , Bledsoe, M. L., & Onwuegbuzie, A. J. (2012). Doctoral students' perceptions of characteristics of effective college teachers: A mixed analysis. <i>International Journal of Doctoral Studies</i> , 7, 279-309. Retrieved from http://ijds.org/Volume7/IJDSv7p279-309Anderson0360.pdf (SCOPUS)	2012
18	Rosli, R. (2011). KeyMath-3 diagnostic assessment: Manual forms A and B. <i>Journal of Psychoeducational Assessment</i> , 29(1), 94-97. (SCOPUS/ISI)	2011
Book		
1	Zakaria, E., Rosli, R. , & Maat, S. M. (2015). <i>Isu dan cabaran dalam pendidikan matematik</i> . Selangor: Fakulti Pendidikan UKM.	2015
Chapter in Book		

1	Rosli, R., Bastaman, N. A. S. A., Maat, S. M., & Zakaria, E. (2018) Analisis penjaanaan masalah matematik guru pelatih Malaysia dan Amerika Syarikat. In N. J. Ahmad & M. S. Khalid (Eds.) <i>Pembaharuan budaya dan pembelajaran matematik dan sains ke arah kehidupan lestari</i> (pp. 64-74). Penang, MALAYSIA: RECSAM	2018
2	Rosli, R., & Zakaria, E. (2017). Cabaran kajian pembelajaran. In Z. Iksan (Ed.). <i>Pembelajaran kolaboratif guru</i> (pp.135-144). Selangor, MALAYSIA: UKM	2017
3	Khalid, F., Karim, A. & Rosli, R. (2017) Merancang kajian pembelajaran. In Z. Iksan (Ed.). <i>Pembelajaran kolaboratif guru</i> (pp.135-144). Selangor, MALAYSIA: UKM	2017
4	Zakaria, E., Rosli, R., & Daud, M. Y. (2017). Menentukan matlamat. In Z. Iksan (Ed.). <i>Pembelajaran kolaboratif guru</i> (pp.45-48). Selangor, MALAYSIA: UKM	2017
5	Gazali, N. F., & Rosli, R. (2016). Penggunaan rekenrek oleh murid tahun satu untuk mencari pasangan nombor. In A. B. Abu Yazid, A. Mohd Mahzan, & M. Siti Mistima (Eds.). <i>Penyelidikan empirikal dalam pendidikan</i> (pp.13-30). Selangor: Fakulti Pendidikan UKM.	2015
6	Rosli, R., Capraro, M. M., Goldsby, D., Gonzalez y Gonzalez, E., Onwuegbuzie, A. J., & Capraro, R. M. (2015). Middle grade preservice teachers' mathematical problem solving and problem posing. In F. M. Singer, N. Ellerton, & J. Cai (Eds.). <i>Mathematical problem posing: From research to effective practice</i> (pp. 333-354). New York, NY: Springer.	2015
7	Rosli, R. (2015). Pemerksaan pengajaran dan pembelajaran matematik melalui penggunaan bahan manipulatif. In E. Zakaria, R. Rosli, & S.M. Maat (Eds.) <i>Isu dan cabaran dalam pendidikan matematik</i> (pp.114-126). Selangor: Fakulti Pendidikan UKM.	2015
8	Rosli, R. (2014). Problem solving and problem posing for learners with special education needs. In C. R. Reynolds, K. J. Vannest, & E. Fletcher-Janzen (Eds.), <i>Encyclopedia of special education: A reference for the education of children, adolescents, and adults with disabilities and other exceptional individuals</i> (4th ed., pp. 2115-2116). Hoboken, NJ: John Wiley and Sons.	2014

List of Current Research

(Senarai Penyelidikan Terkini– Tempoh 5 Tahun)

Position	Total
Project Leader	2
Researchers	6

Grants Category	Code	Title of Project	Position	Project period/Status (Tempoh Projek/Status)
<i>Fundamental Research Grant Scheme</i>	<i>FRGS/1/2017 /SS05/UKM/ 02/2</i>	<i>A Learning Trajectory Model of Children with Autism in Acquiring Early Mathematics</i>	<i>Project Leader</i>	<i>15/08/2017- 14/8/2019</i>
<i>Geran</i>	<i>GGPM-2013-</i>	<i>The Integration Of Problem</i>	<i>Project Leader</i>	<i>01/12/2013</i>

<i>Galakan Penyelidik Muda</i>	085	<i>Posing In Teaching And Learning Of Mathematics</i>		-30/11/2015
<i>Program STEM dan Minda</i>	GG-2017-016	<i>STEM Mentoring Program</i>	<i>Joint Researcher</i>	01/09/2017-30/09/2019
<i>Sumitomo Foundation</i>	GG-2014-002	<i>Implementation of Lesson Study (Jugyokenkyuu); Comparison between Malaysia and Japan</i>	<i>Joint Researcher</i>	06/03/2014-05/03/2015
<i>Geran Universiti Penyelidikan</i>	GUP-2013-055	<i>Pembangunan instrument penyelesaian masalah prosidural dan konseptual bagi guru pelaiith di institusi pengajian tinggi Malaysia</i>	<i>Joint Researcher</i>	01/11/2013-31/10/2015
<i>International Baccalaureate Organization, Inc</i>	GG-2014-008	<i>Evaluation of implementation and impact of the IB Middle Years in Malaysian national secondary schools</i>	<i>Joint Researcher</i>	01/04/2014-01/05/2015
<i>Dana Penyelidikan ETP</i>	ETP-2013-059	<i>Kerangka e-Pembelajaran Adaptif Berasaskan Demografik Pelajar Sekolah Rendah di Malaysia</i>	<i>Joint Researcher</i>	10/12/2014-09/06/2016
<i>Dana Penyelidikan STEM</i>	STEM-2014-006	<i>Pemeriksaan Minat Pelajar dalam Sains dan Matematik Melalui Inovasi Modul Berekreasi</i>	<i>Joint Researcher</i>	10/11/2014-09/11/2016

No.	(Community Service / Network) <i>Khidmat Masyarakat / Jaringan</i>	Year (Tahun)
1	Workshop in Writing SCOPUS Indexed Journal Articles - Universitas Sebelas Maret (<i>Consultant</i>)	2016
2	<i>Journal of Research and Advances in Mathematics Education</i> Universitas Muhammadiyah Surakarta (<i>Advisory Editor</i>)	2016-present
3	Research on Education and Psychology Necmettin Erbakan University (<i>International Editorial Board</i>)	2017-present
4	Jurnal Pendidikan Matematik The National University of Malaysia (<i>Editorial Board</i>)	2014-present
5	<i>Reviewers – indexed journals, conference proceedings</i>	2008-present