



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 (Nama) | SITI MISTIMA MAAT |
| CURRENT POSITION (Jawatan Sekarang) | <i>SENIOR LECTURER</i> /PENSYARAH UNIVERSITI DS51 Chairperson, Centre of the Innovation in Teaching & Learning/ Pengerusi Pusat Inovasi Pengajaran & Pembelajaran |
| OFFICE ADDRESS (Alamat Pejabat) | F FACULTY OF EDUCATION/ FAKULTI PENDIDIKAN |
| TELEPHONE NUMBER (Nombor Telefon) | (Pej/Office): 03-8921 7189 (HP): 013-289 9910 |
| EMAIL/WEBSITE (E-Mel/ Laman Web) | Email: sitimistima@ukm.edu.my |
| ACADEMIC QUALIFICATION (Kelayakan Akademik) | <ul style="list-style-type: none"> ● Ph. D in Mathematics Education, Universiti Kebangsaan Malaysia, 2011. ● Master Science in Mathematics, Universiti Putra Malaysia, 2001. ● Bachelor in Mathematisc (Hons), Universiti PertanianMalaysia, 1996. |
| AREA OF SPECIALIZATIONS (Bidang Kepakaran) | Mathematics Education |
| RESEARCH INTEREST (Bidang Penyelidikan) | <ul style="list-style-type: none"> ● Teaching and Learning in Mathematics ● Statistical Analysis ● Statistics Education ● History and Philosophy of Mathematics |
| WORK EXPERIENCES (Pengalaman Kerja (Di Ukm & Luar)) | Senior Lecturer Department of Teaching and Learning Innovation, The National University of Malaysia (2015-present) Senior Lecturer |

| | | Universiti Kuala Lumpur Malaysia France Institute (2001-2014) Lecturer Taylors College Sdn Bhd (1996-2001) | | | | | | | | | | | | | | |
|--|---|--|------------------------|--|-------|--------|-------------|-------|-------|---|---|---|--------|---|---|---|
| SUPERVISION OF STUDENTS: (Penyeliaan (Tempoh 5 Tahun/ Tamat Pengajian)) | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Level</th> <th>Finish</th> <th>In Progress</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Ph. D</td> <td>1</td> <td>8</td> <td>9</td> </tr> <tr> <td>Master</td> <td>-</td> <td>6</td> <td>6</td> </tr> </tbody> </table> | | | | | Level | Finish | In Progress | Total | Ph. D | 1 | 8 | 9 | Master | - | 6 | 6 |
| Level | Finish | In Progress | Total | | | | | | | | | | | | | |
| Ph. D | 1 | 8 | 9 | | | | | | | | | | | | | |
| Master | - | 6 | 6 | | | | | | | | | | | | | |
| No. | Title of Thesis (Tajuk Tesis) | Name of Students (Nama Pelajar) | Years (Tahun Lulus) | Stage of Supervision (Peringkat Penyeliaan) | | | | | | | | | | | | |
| Doctor of Philosophy | | | | | | | | | | | | | | | | |
| 1 | Hubungan Berstruktur Antara Pengetahuan Dengan Amalan Pengajaran Guru Matematik Sekolah Rendah Dalam Konteks KSSR. | Wong Li Li | 2018 | Completed | | | | | | | | | | | | |
| 2 | | Elfis Suanto | - | In Progress | | | | | | | | | | | | |
| 3 | | Mohd Razip Bin Bajuri | - | In Progress | | | | | | | | | | | | |
| 4 | | Juliana Mahpol | - | In Progress | | | | | | | | | | | | |
| 5 | | Nur Choiro Siregar | - | In Progress | | | | | | | | | | | | |
| 6 | | Nurul Shakhida Binti Abu Bakar | - | In Progress | | | | | | | | | | | | |
| 7 | | Wanda Nugroho Yanuarto | - | In Progress | | | | | | | | | | | | |
| 8 | | Mohamad Ikram Bin Zakaria | - | In Progress | | | | | | | | | | | | |
| 9 | | Martina Binti Maamin | - | In Progress | | | | | | | | | | | | |
| Master | | | | | | | | | | | | | | | | |
| 1 | Persepsi Guru Matematik Terhadap Pengetahuan Dan Amalan Penerapan Nilai Dalam Pendidikan Matematik | Ummu Taqiah Binti Bahar | - | Completed | | | | | | | | | | | | |
| 2 | Persekitaran Pembelajaran, Mkesedaran Metakognitif Dan Kemahiran Penyelesaian Masalah Pelajar Tingkatan Empat. | Nor Suhaila Binti Abdul | - | Completed | | | | | | | | | | | | |
| 3 | Pengaruh Sikap Terhadap STEM Dan Persekitaran Pembelajaran Kepada Kecenderungan Kerjaya STEM Dalam Kalangan Pelajar IPT | Chia Pau Ling | - | Completed | | | | | | | | | | | | |
| 4 | Amalan Pengajaran Dan Pembelajaran Abad Ke 21, Pengetahuan Kandungan Dan Kemahiran Berfikir Aras | Saliza Binti Ali | - | Completed | | | | | | | | | | | | |

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|---|--------------------------------------|----------------------|---|-------------|
| | Tinggi Dalam Kalangan Guru Matematik | | | |
| 5 | - | Faridah Binti Aripin | - | In Progress |
| 6 | - | Ching Chee Sin | - | In Progress |

| No. | Latest Awards & Achievements (Anugerah Dan Pencapaian (2010 – Kini)) | | Year (Tahun) |
|----------------|---|---------------|-----------------|
| 1 | Excellent Service Award, Faculty of Education | | 2017 |
| 2 | Gold Medal in Pertandingan Inovasi P&P | | 2018 |
| 3 | Gold Medal for Anugerah Inovasi Penyelidikan | | 2015 |
| No. | Honors (Penghormatan) | | Year (Tahun) |
| 1 | - | | - |
| No. | Penerbitan (Jurnal, Buku, & Bab Dalam Buku) (2010 – Kini: 10 terbaik) (Latest Publications, Journal, Book & Chapter in Book –The best of 10) | | Tahun |
| | Type | Jumlah | |
| | Journal | 20 | |
| | Book | 3 | |
| | Chapter in Book | 2 | |
| Journal | | | |
| 1 | Siti Mistima Maat , Mira Khalisa Rosli. <i>Validating the attitude towards statistics instrument for postgraduate student.</i> | | 2018 |
| 2 | Salwah Che Mat, Siti Mistima Maat & Norhatta Mohd. <i>A Descriptive Analysis on Entrepreneurial Intention among Engineering Technology Students.</i> | | 2015 |
| 3 | Siti Mistima Maat , Mazlini Adnan, Mohd Nizam Lee Abdullah, Che Nidzam Che Ahmad & Marzita Puteh. <i>Confirmatory Factor Analysis of Learning Environment Instrument among Performance School Students Creative Education.</i> | | 2015 |
| 4 | Mohd Razip Bajuri, Siti Mistima Maat & Lilia Halim. <i>Mathematical Modeling from Metacognitive Perspective Theory a Review on STEM Integration Practices Creative Education.</i> | | 2018 |
| 5 | Siti Mistima Maat . <i>Psychometric Evaluation on Mathematics Beliefs Instrument Using Rasch Model.</i> | | 2015 |
| 6 | Siti Mistima Maat & Mira Khalisa Rosli. <i>The Rasch Model Analysis for Statistical Anxiety Rating Scale (STARS).</i> | | 2016 |
| 7 | Siti Mistima Maat , Effandi Zakaria & Roslinda Rosli. <i>Descriptive study on student's anxiety towards statistics.</i> | | 2016 |
| 8 | Nurul Shalhida Abu Bakar, Siti Mistima Maat & Roslinda Rosli. <i>A Systematic Review of Teachers Self Efficacy and Technology Integration.</i> | | 2018 |
| 9 | Siti Mistima Maat , Mohd Effendi Ewan Mohd Matore, Haryanti Mohd Affandi & Suziyani Mohamed. <i>Psychometric Evidence of Statistical Self-Efficacy Instrument Based on</i> | | 2018 |

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|------------------------|--|------|
| | <i>Postgraduate.</i> | |
| 10 | Pau Ling Chia, Siti Mistima Maat . <i>An Exploratory Study of Teacher Attitudes Towards Integration of STEM in Malaysia.</i> | 2018 |
| 11 | Ummu Taqiah Bahari & Siti Mistima Maat . <i>An Overview of Mathematics Teachers Perspectives on the Implementation of Values in the Teaching and Learning of Mathematics</i> | 2018 |
| 12 | Nur Fadzilah Mat Yusof & Siti Mistima Maat . <i>Postgraduates Attitudes and Beliefs Towards the Use of History of Mathematics.</i> | 2017 |
| 13 | Siti Mistima Maat , Effandi Zakaria & Mira Khalisa Rosli. <i>The Validation of Statistical Anxiety Rating Scale Using Confirmatory Factors Analysis among Graduate Students.</i> | 2017 |
| 14 | Mohd Safwandi Suaidi & Siti Mistima Maat . <i>Intervention Long Division Manipulative Aid to Improve Students Comprehension by Using the Conventional Form in Divide Operation.</i> | 2018 |
| 15 | Siti Mistima Maat , Zatul Iradah Abdul Karim, Nurasikin Saaludin & Nurul Naimy Wan. <i>Validating Students Employability Skills Using Confirmatory Factor Analysis among Engineering Technology Students.</i> | 2018 |
| 16 | Siti Mistima Maat & Adila Rasib. <i>Analyzing Pedagogical Content Knowledge of Algebra among Malaysian Mathematics Secondary School Teachers.</i> | 2018 |
| 17 | Norhatta Mohd, Siti Mistima Maat & Salwah Che Mat. <i>A Study Entrepreneurial Intention among Engineering Technology Students.</i> | 2015 |
| 18 | Siti Mistima Maat , Effandi Zakaria & Roslinda Rosli. <i>Validating Mathematics Teachers Practices Questionnaire Using Rasch Measurement Model.</i> | 2016 |
| 19 | Mazlini Adnan, Marzita Puteh, Noraini Mohd Tajuddin, Siti Mistima Maat & Ng Chee Hoe. <i>Integrating STEM Education Through Project-based Inquiry Learning in Topic Space among Year One Children.</i> | 2018 |
| 20 | Mira Khalisa Rosli, Siti Mistima Maat & Roslinda Rosli. <i>Students' Attitude and Anxiety Towards Statistics: A Descriptive Analysis.</i> | 2017 |
| Book | | |
| 1 | H.M. Nur Mustafa, Mahdum Adnan, Abdul Razak Ahmad, Siti Mistima Maat , Suziyani Mohamed & Haryanti Mohd Affandi. <i>Educational Community & Cultural Diversity.</i> | 2017 |
| 2 | Abu Yazid Abu Bakar, Mohd Mahzan Awang & Siti Mistima Maat . <i>Penyelidikan Emprikal dalam Pendidikan</i> | 2016 |
| 3 | Effandi Zakaria, Roslinda Rosli & Siti Mistima Maat . <i>Isu dan Cabaran dalam Pendidikan Matematik.</i> | |
| Chapter in Book | | |
| 1 | Roslinda Rosli, Nur Ain Syakira Ahmad Bastaman, Siti Mistima Maat & Effandi Zakaria. <i>Pembaharuan Budaya Pengajaran dan Pembelajaran Matematik dan Sains ke Arah Kehidupan Lestari.</i> | 2018 |
| 2 | Mohd Effendi@Ewan Mohd Matore, Ahmad Zamri Khairani, Nordin Abd Razak, Haryanti Mohd Affandi, Siti Mistima Maat , Suziyani Mohamed & Faizal Amin Nur Yunus. <i>Pembangunan Produk dan Reka Bentuk.</i> | 2018 |

List of Current Research
(Senarai Penyelidikan Terkini– Tempoh 5 Tahun)

| Position | Total |
|----------------|-------|
| Project Leader | 1 |
| Researchers | 4 |

| Grants Category | Code | Title of Project | Position | Project period/Status (Tempoh Projek/Status) |
|---|-----------------------------------|--|-------------------------|--|
| <i>Tabung Kokurikulum PTJ</i> | <i>GG-2018-011</i> | <i>Pelaksanaan Strategi untuk Membangunkan Kapasiti Penyelidikan dalam Kalangan Ahli-ahli Pusat Pengajaran dan Pembelajaran, Fakulti Pendidikan.</i> | <i>Project Leader</i> | <i>1/10/2018 – 30/09/2019</i> |
| <i>Skim Geran Penyelidikan Fundamental (FRGS)</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>Joint Researcher</i> | <i>15/0/2017 – 14/08/2019</i> |
| <i>Skim Geran Penyelidikan Fundamental (FRGS)</i> | <i>FRGS/1/2018/SSI09/UKM/02/1</i> | <i>Pembinaan Indeks Kecerdasan Menghadapi Cabaran atau Adversity Quotient (AQ) Bagi Belia Berisiko Komuniti B40</i> | <i>Joint Researcher</i> | <i>01/01/2019 – 31/12/2020</i> |
| <i>Program STEM dan Minda</i> | <i>GG-2017-016</i> | <i>STEM Mentoring Program</i> | <i>Joint Researcher</i> | <i>01/09/2017 – 30/09/2019</i> |
| <i>Geran Universiti Penyelidikan</i> | <i>GUP-2018-151</i> | <i>Development of Learning Analytics-Enhanced Massive Open Online Courses Framework for Engineering Mathematics Subjects</i> | <i>Joint Researcher</i> | <i>15/11/2018 – 14/11/2020</i> |

| No. | (Community Service / Network) <i>Khidmat Masyarakat / Jaringan</i> | Year <i>(Tahun)</i> |
|-----|--|------------------------|
| 1 | Panel for Journal of Technical Education and Training | 2018 |
| 2 | Pelantikan Panel Temuduga bagi Program Penajaan/Cuti Belajar Bergaji Penuh (CBBP) Pegawai Perkhidmatan Pendidikan (PPP) Tahun 2018 | 2018 |
| 3 | <i>Panel for Pertanika's Journal of Social Sciences & Humanities</i> | 2016 |
| 4 | Panel for Malaysian Journal of Higher Order Thinking Skills in Education (MJHOTS) Isu 3/2016 | 2016 |
| 5 | <i>Penceramah Structural Equation Modeling (SEM)</i> | 2015 |