# Dr. Jamilah binti Hamid

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▢ 05-4505028

📍 Faculty Of Art, Computing And Creative Industry
Universiti Pendidikan Sultan Idris (UPSI)

## ACADEMIA INFO

Scopus ID :
50861425800

## AREAS OF EXPERTISE

Teknologi Maklumat

## SUPERVISION

**PhD**
Completed : 1
Ongoing : 8

**Master**
Completed : 7
Ongoing : 2

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## BIOGRAPHY

A lecturer from the Faculty Of Art, Computing And Creative Industry ,
Universiti Pendidikan Sultan Idris, Tanjung Malim, Perak, Malaysia.

## ACADEMIC QUALIFICATION

**2017** IJAZAH DOKTOR FALSAFAH (PhD) (INTERNET DAN PENGKOMPUTERAN WEB)
UNIVERSITI PENDIDIKAN SULTAN IDRIS

**2000** Sarjana Sains (Teknologi Maklumat) (Sains)
Universiti Sains Malaysia (USM)

**1991** Sarjana Muda Sains Serta Pendidikan (Matematik) (Sains Komputer (IT))
Universiti Teknologi Malaysia (UTM)

## RESEARCH

1. Pembangunan Garis Panduan Alat Pentaksiran Berasaskan Video Untuk Kursus Pengaturcaraan
   | Leader | Universiti Pendidikan Sultan Idris

2. Pembangunan Dan Penilaian Perisian Kursus Mudah Alih Perumpamaan (PKMAP) Bagi Menerapkan Budaya Pembelajaran Dalam Talian.
   | Leader | Universiti Pendidikan Sultan Idris

3. Pembangunan Sistem E-Jurnal
   | Leader | Universiti Pendidikan Sultan Idris

4. Model Pengajaran Dan Pembelajaran Bagi Meningkatkan Kemahiran Pemikiran Komputasi Dalam Kalangan Pelajar Novis
   | Member | Kementerian Pengajian Tinggi

# RESEARCH

6      Pengurusan Data Kritikal Di Sekolah Dalam Mendepani Situasi Bencana Banjir

        **Member**   Kementerian Pengajian Tinggi

7      The Development Of Ictl Module Based On Suitable Teaching Methodology For Orang Asli (Ictl-Temfoa)

        **Member**   Kementerian Pengajian Tinggi

8      Fleto (Fun Learning Through Origami)

        **Member**   Kementerian Pengajian Tinggi

9      Pembangunan Dan Penilaian Perisian Kursus Pembelajaran Pengaturcaraan Bagi Meningkatkan Keupayaan Computational Thinking Dalam Kalangan Pelajar Novice

        **Member**   Universiti Pendidikan Sultan Idris

10      PERISIAN PENDIDIKAN PEMBELAJARAN BERASASKAN PERMAINAN ATAS TALIAN BAGI MENINGKATKAN KEMAHIRAN PENGATURCARAAN DALAM KALANGAN PELAJAR KURSUS PENGATURCARAAN

        **Member**   Universiti Pendidikan Sultan Idris

11      Personalized OnlineTeaching And Learning Design Framework For Primary School Children With Reading Difficulties

        **Member**   Universiti Pendidikan Sultan Idris

12      PEMBANGUNAN PERISIAN KURSUS MULTIMEDIA DALAM MENGIRA WAKTU TEMPATAN UNTUK PELAJAR GEOGRAFI

        **Member**   Universiti Pendidikan Sultan Idris

13      Sistem Penyaringan Pelajar Disleksia Berasaskan Web (E-Isd)

        **Member**   Universiti Pendidikan Sultan Idris

14      Model Portal Pendidikan

        **Member**   Universiti Pendidikan Sultan Idris

15      Development Of Educational Video For Online Learning Based On Inquiry Learning: Science At Home

        **Member**   Cepr Malaysia Sdn. Bhd

17      Exploring Multi-Component Ethical Leadership To Develop A Massive Open Online Course For Enhancing University Students Moral Competence

        **Member**   Kementerian Pengajian Tinggi

18      Pembangunan Dan Penilaian Modul CSI-STEM Berintegrasikan Augmented Reality (AR) Untuk Kursus Kimia Organik Kolej Matrikulasi

        **Member**   Universiti Pendidikan Sultan Idris

# PUBLICATIONS

1. **The Development of a Guideline in Assessing Students' Creation Video-Based Project in Programming Subject**
International Journal of Learning, Teaching and Educational Research
`2022` `SCOPUS` `Correspondence Author`

2. **Improving College Students' Learning Performance in Computer Programming: The Case of Using the Polya Model**
Central Asia and the Caucasus
`2022` `Excellent Research Australia (ERA)` `Correspondence Author`

3. **THE DEVELOPMENT OF A DIGITAL STORYBOOK AND AN AUGMENTED REALITY (AR)-BASED PROVERBS APPLICATION**
International Journal of Multimedia and its Applications
`2018` `Excellent Research Australia (ERA)` `First Author`

4. **VIRTUAL ENVIRONMENT FOR DIAGNOSING DYSLEXIC CHILDREN VISUAL SPATIAL POTENTIAL**
International Journal of Multimedia and its Applications
`2017` `Excellent Research Australia (ERA)` `First Author`

5. **The Effectiveness of Blended Learning Approaches towards Achievement in Programming Skills of Secondary Students: A Case Study**
Test Engineering and Management
`2020` `SCOPUS` `Correspondence Author`

6. **Discovering the Role of Problem-Solving and Discussion Techniques in the Teaching Programming Environment to Improve Students' Computational Thinking Skills**
International Journal of Information and Education Technology
`2021` `SCOPUS` `Co-Author`

7. **E-portfolio Implementation in Malaysian School: A Need Analysis**
International Journal of Academic Research in Progressive Education and Development
`2021` `Excellent Research Australia (ERA)` `Co-Author`

8. **Step by Step implementation of DSRM for Personalization of Reading**
International Journal of Humanities, Management, and Social Science (IJ-HuMaSS)
`2021` `Google Scholar` `Co-Author`

9. **Improving Novice Students Computational Thinking Skills by Problem-Solving and Metacognitive Techniques**
International Journal of Learning, Teaching and Educational Research
`2021` `SCOPUS` `Co-Author`

10. **The Use of Delphi Technique in Validating a Teaching and Learning Model for Enhancing Students' Computational Thinking Skills**
Universal Journal of Educational Research
`2020` `SCOPUS` `Co-Author`

**11** A Web-Based Learning Programming Portal: Do Instructors Need It to Enhance Novice Students' Computational Thinking Skill?
International Journal of Innovative Technology and Exploring Engineering

`2019` `SCOPUS` `Co-Author`

**12** Integrating The Arcs Motivational Elements Into An On-Line Game-Based Learning Application: Does The Application Enhance Students Motivation In Learning Programming?
International Journal of Innovative Technology and Exploring Engineering

`2019` `SCOPUS` `Co-Author`

**13** Integrating The Arcs Motivational Elements Into An On-Line Game-Based Learning Application: Does The Application Enhance Students Motivation In Learning Programming?
International Journal of Innovative Technology and Exploring Engineering

`2019` `SCOPUS` `Co-Author`

**14** Effects of Training Method and Gender on Learning 2D/3D Geometry
Journal of Computers in Mathematics and Science Teaching

`2010` `Excellent Research Australia (ERA)` `Co-Author`

**15** The Current Practice of Data Management of Schools and District Education Offices: Is There a Need for a New Approach?
International Journal of Academic Research in Business and Social Sciences

`2017` `Excellent Research Australia (ERA)` `Co-Author`

**16** The Formulation of a Critical Data Management Framework for Situations Facing Disasters through the Delphi Technique
International Journal of Academic Research in Business and Social Sciences

`2018` `Excellent Research Australia (ERA)` `Co-Author`

# SUPERVISION

1. The Influence Of Self-Regulation On Deep Learning Based On Multimedia Picture Linguistics
`2022` `PHD` `International` `Supervisor` In Progress

2. REKA BENTUK DAN PEMBANGUNAN MODEL IMPLEMENTASI E-PORTFOLIO SEBAGAI ALAT PENTAKSIRAN DIGITAL
`2022` `PHD` `National` `Supervisor` Presentation

3. Pembinaan Pengetahuan Pedagogi Kandungan (PPK) Guru Pelatih ICT Dalam Program Latihan Mengajar
`2022` `PHD` `National` `Supervisor` Presentation

4. Pembangunan Dan Penilaian Keberkesanan Kit Pengaturcaraan Berintegrasikan IoT Dan STEM
`2022` `PHD` `National` `Supervisor` Presentation

5. REKABENTUK PEMBANGUNAN KERANGKA PEMBELAJARAN TERADUN BAGI MATA PELAJARAN ASAS SAINS KOMPUTER
`2022` `PHD` `National` `Supervisor` In Progress

6. Impak Metodologi Triz Terhadap Penyelesaian Masalah Dalam Kalangan Pelajar Komputeran
`2022` `PHD` `National` `Co-Supervisor` Completed

7. Adoption Of E-commerce On Purchasing Agriculture Products In Malaysia : Application Of Fuzzy Delphi Method
`2025` `PHD` `Co-Supervisor` In Progress

8. The Effectiveness Of STEM Integration In Increasing Energy Literacy Of Primary School Students.
`2024` `PHD` `Co-Supervisor` In Progress

9. Pengimplementasian Metodologi Business Process Reengineering (BPR) Ke Atas Kaedah Pembelajaran Dalam Kalangan Pelajar Teknologi Maklumat Di Institusi Pengajian Tinggi Ketika Pandemik Covid-19.
`2024` `PHD` `Co-Supervisor` In Progress

10. KEBERKESANAN PEMBELAJARAN FLIPPED CLASSROOM DALAM MENINGKATKAN PENCAPAIAN AKADEMIK PELAJAR UNTUK MATA PELAJARAN REKA BENTUK GRAFIK DI NUSA TENGGARA BARAT
`2021` `Master` `International` `Supervisor` Completed

11. Obstacles Of Applying E-Training In The Training And Professional Development Centers In The Sultanate Of Oman From The Point Of View Of The Trainers
`2022` `Master` `International` `Supervisor` Presentation

12. Aplikasi Whatssapp Sebagai Medium Pembelajaran Dalam Kalangan Pelajar UPSI
`2020` `Master` `National` `Supervisor` Completed

13 Keberkesanan Pendekatan Pembelajaran Teradun Terhadap Pencapaian Dan Motivasi Dalam Mata Pelajaran Asas Sains Komputer

`2020` `Master` `National` `Supervisor` Completed

14 Tahap Kesediaan Bakal Guru Jurusan Teknologi Maklumat Terhadap Penggunaan Pengaturcaraan Scratch Dan Teknologi Robot Dalam Pembelajaran Dan Pemudahcaraan (PdPc)

`2020` `Master` `National` `Supervisor` Completed

15 HOW DO LECTURERS IN SEGI COLLEGE KUALA LUMPUR PERCEIVE USING THE BLACKBOARD LEARN IN CLASSROOM

`2017` `Master` `National` `Supervisor` Completed

16 Kesan Adaptasi Model Polya Dalam Pembelajaran Algoritma Pengaturcaraan Terhadap Pencapaian Pelajar Di Kolej Matrikulasi

`2020` `Master` `National` `Supervisor` Completed

17 Keberkesanan Bengkel Dalam Meningkatkan Kemahiran Teknologi Maklumat Dan Motivasi Guru Terhadap Proses Penilaian Dalam Talian

`2021` `Master` `National` `Co-Supervisor` Completed

18 Perisian Pendidikan Pembelajaran Pengaturcaraan Dengan Teknik Metakognitif Bagi Meningkatkan Kemahiran Pemikiran Komputasi Dalam Kalangan Pelajar Novis

`2022` `Master` `National` `Co-Supervisor` Presentation

# CONSULTATION

1. **Pembangunan Sistem Bersepadu Kedai Emas Akhbar**
   `2022` `Kedai Emas Akhbar` `Completed`

2. **Jom Coding: Praktis Bersama Python dan Rasperry PI**
   `2022` `InfotrendSolutios Sdn Bhd` `Completed`

3. **Pembangunan Modul Panduan Asas Sains Komputer (ASK) Guru KSSR, & KSSM 2018 (Modul Panduan Guru Asas Sains Komputer tingkatan 3)**
   `2018` `Malaysia Digital Economy Corporation Sdn Bhd` `Completed`

4. **Article Review _Telehealth and remote interventions for children with cerebral palsy**
   `2022` `JMIR Publications` `Completed`

5. **Review Manuscript Journal**
   `2022` `JMIR Publications` `Completed`

6. **Review Manuscript of JMIR Journal**
   `2022` `JMIR Publications` `Completed`

7. **Review An Article**
   `2021` `JMIR Publications` `Completed`

8. **Review a manuscript for journal**
   `2021` `JMIR publications` `Completed`

9. **Review a manuscript for a journal**
   `2021` `JMIR Publications` `Completed`

10. **Review an article for JMIR journa**
    `2021` `JMIR Publications` `Completed`

11. **Keynote speaker for book review**
    `2020` `Narotama University` `Completed`

12. **Review An Article**
    `2020` `JMIR Publications` `Completed`

13. **Review an article**
    `2020` `JMIR Publications` `Completed`

14. **Review an article for JMIR journal**
    `2020` `JMIR Publication` `Completed`

15. **Keynote speaker for book review**
    `2020` `Narotama University` `Completed`

16. **Reviewer for journal article**
    `2018` `JMIR Publications` `Completed`

**17** Review an article of a journa;

2017 JMIR Publication Completed

**18** Editorial Board of J o u r n a l o f s o c i a l s c i e n c e s a n d t e c h n i c a l e d u c a t i o n

2023 Politeknik Kucing Malaysia Completed

**19** Pemeriksa Luar Pelajar Doktor Falsafah

2021 Universiti Sultan Azlan Shah Completed

**20** Review Manuscript Jurnal JICTIE

2022 Jabatan Komputeran, FSKIK, UPSI Completed

**21** Review Article

2022 UPSI Completed

**22** Review JICTIE article

2021 FSKIK, UPSI Completed

**23** Semakan Program

2021 UPSI Completed

**24** Examiner of Mode B Master Student

2019 IPS, UPSI Completed

**25** Education Based Research Grant Proposal Evaluator– Phase 1

2019 RMIC, UPSI Completed

**26** Final Research Report Examiner – University Research Grant

2019 RMIC, UPSI Completed

**27** Editor for IJMA (Special Issue)

2018 Computing Department, UPSI Completed

**28** Internal Reader For Mod C Research Report

2017 FSKIK Completed

**29** Internal Reader For Mod C Research Report – Pn Norzuhaida student

2017 FSKIK Completed

**30** Editor in International Journal of Creative Industries (IJCREI)

2021 Global Academic Excellence In Progress

**31** AJK Perancangan Program Akademik Universiti

2023 UPSI In Progress

**32** AJK SEMAKAN PROGRAM AC10

2022 FSKIK, UPSI In Progress

**33** Menilai kertas kerja journal JICTIE

2022 UPSI In Progress

34 AJK Semakan Program Pasca

2020 FSKIK, UPSI In Progress

# AWARD / RECOGNITION

1. **AR-CSI Module For Matriculation College Physical Chemistry Course**
`2022` `International` `ITEX` `Gold`

2. **Interactive Courseware of Malay Language Idioms**
`2019` `International` `INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019` `Gold`

3. **Aplikasi Pembelajaran Pengaturcaraan Struktur Kawalan Dwi Pilihan "Rahsia Piramid Kuno"**
`2019` `International` `INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019` `Gold`

4. **Fire Extinguisher Robot (FRE)**
`2019` `International` `INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019` `Gold`

5. **E-Psychologist**
`2019` `International` `INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019` `Gold`

6. **EDUNIA : EDUCATIONAL GAMING HUB WEB APLICATION**
`2021` `International` `INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING` `Silver`

7. **Aplikasi Mudah Alih Peribahasa Melayu**
`2019` `International` `INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019` `Bronze`

8. **A Digital Storybook And An Augmented Reality (Ar)-based Proverbs Applicationk Kampungku kampung Permai**
`2019` `National` `Malaysia Technology Expo 2019` `Gold`

9. **INOVASI PROGRAM : SARJANA MUDA KEJURUTERAAN PERISIAN (PERISIAN PENDIDIKAN)**
`2019` `University` `CARNIVAL FOR INNOVATION IN TEACHING AND LEARNING 2019 (CiTeL2019)` `Silver`

10. **Anugerah penyelidikan Bronze**
`2009` `University` `UPSI` `Bronze`

11. **Sijil Penghargaan Perkhidmatan Cemerlang**
`2022` `University` `Universiti Pendidikan Sultan Idris`