

# TIPS & TRICKS SUKSES FRGS 2021



**Berkongsi Ilmu :**  
**PakCik Nurul Fadly**

**Daftar segera di :**

[https://chat.whatsapp.com/  
GvaidmGOvpSEXeofilkpXi](https://chat.whatsapp.com/GvaidmGOvpSEXeofilkpXi)



 17 FEBRUARI 2021

 9.00 PG - 1.00 PTG

 ZOOMUS

\* Semua Slide & Material  
lain-lain diberi Percuma

**Yuran  
adalah  
PERCUMA !!**

# PERKONGSIAN 'TIPS AND TRICKS' FRGS 2021

OLEH:

NURUL FADLY HABIDIN  
PENSYARAH KANAN



UNIVERSITI  
PENDIDIKAN  
SULTAN IDRIS

اونيورسيتي فنديديقن سلطان ادريس

SULTAN IDRIS EDUCATION UNIVERSITY



SUKSES GERAN  
FRGS 2021

**TIPS & TRICKS**  
**FRGS 2021**  
**& NILAI TAMBAH PADA ILMU**  
**SERTA CIPTA POTENSI**

*Nurul Fadly Habidin, UPSI*

# VISI & MISI

## Visi

Penyelidikan fundamental yang berdaya saing  
untuk transformasi ilmu dan  
kecemerlangan negara

## Misi

Membudaya, memperkasa dan melestarikan  
kapasiti penyelidikan berimpak tinggi  
bagi menjana ilmu yang mampu menyumbang terhadap  
perkembangan bakat, peningkatan tahap intelektual,  
penciptaan teknologi baharu dan  
penyuburan peradaban yang dinamik

# FALSAFAH & TUJUAN FRGS

**“PENINGKATAN TAHAP INTELEKTUAL,  
PENCIPTAAN TEKNOLOGI BARU & PENYUBURAN  
BUDAYA YANG DINAMIK SELARAS DENGAN  
ASPIRASI NEGARA”**

- 1. PENJANAAN TEORI, KONSEP & IDEA BARU  
(SEMPADAN ILMU DAN PENCIPTAAN INOVATIF)**
- 2. MANFAAT KEPADA AKADEMI, INDUSTRI,  
MASYARAKAT & NEGARA**

# PENYELIDIKAN FUNDAMENTAL ?

1. **ADVANCED OF KNOWLEDGE**
2. **“WHY” & “HOW”**
3. **EXPLORE the SCIENCE of the  
research**
4. **ACCUMULATION OF THEORIES,  
FUNDEMENTAL STRUCTURES &  
FUNDAMENTAL PROCESS**

# KRITERIA PENILAIAN

1. **PENYELIDIKAN MENGHASILKAN IDEA / TEORI / KONSEP/  
KAEDAH / MODEL/PROSES BAHARU**
2. **PENYELIDIKAN MENAMBAHBAIK POLISI, METODOLOGI &  
MODEL PENYELESAIAN YANG SEDIA ADA**
3. **PENYELIDIKAN MERANGKUMI ISU-ISU KEMANUSIAAN DAN  
KEMASYARAKATAN UNTUK PENINGKATAN NILAI  
KEHIDUPAN DALAM NEGARA DAN SEJAGAT**
4. **PENYELIDIKAN BERPOTENSI MENYUMBANG AGENDA  
STRATEGI NEGARA**

# STRATEGI FRGS

- 1. PENYELESAIAN MASALAH DENGAN PENYELIDIKAN FUNDAMENTAL**
- 2. KEYWORD FUNDAMENTAL PERLU SELARI DAN KONSISTEN (ALIGNMENT & BALANCING) DARI TAJUK, RINGKASAN EKSEKUTIF, PROBLEM STATEMENT, RO, RQ, HIPOTESIS**



## C. Research Information

**C(i). Research Domain\*** +

1

Research Domain

Sub Research Domain

**C(ii). Research Cluster**

2

Cluster:\*

**C(iii). 10-10 Malaysia Science, Technology, Innovation and Economy (MySTIE) - based on 10 Socio-Economic Drivers**

3

MySTIE:\*

**C(iv). Shared Prosperity Vision 2030 (SPV 2030)**

4

SPV:\*

**C(v). Sustainable Development Goals (SDGs)**

5

SDG:\*

# 7 DOMAIN PENYELIDIKAN

- 1. SAINS TULEN & GUNAAN**
- 2. TEKNOLOGI & KEJURUTERAAN**
- 3. SAINS KESIHATAN DAN KLINIKAL**
- 4. SAINS SOSIAL**
- 5. SASTERA & SASTERA IKHTISAS**
- 6. WARISAN ALAM & BUDAYA**
- 7. TEKNOLOGI MAKLUMAT DAN KOMUNIKASI**

# 8 KLUSTER PENYELIDIKAN

- 1. SEKURITI & KESELAMATAN MAKANAN**
- 2. INFRASTRUKTUR ASAS**
- 3. PERUBAHAN IKLIM DAN ALAM SEKITAR**
- 4. KESIHATAN**
- 5. PENDIDIKAN DAN MASYARAKAT MADANI  
CELIK ILMU**
- 6. KESELAMATAN NEGARA**
- 7. KESEJAHTERAAN SOSIAL DAN EKONOMI**
- 8. TEKNOLOGI TERKEHADAPAN &  
PEMBUATAN TERMAJU**

# 10 MySTIE

## **Rangka Kerja 10-10 Sains, Teknologi, Inovasi dan Ekonomi Malaysia (MySTIE - Malaysian Science, Technology, Innovation and Economy)**

Setiap permohonan hendaklah **memenuhi salah satu (1)** daripada sepuluh (10) Pemacu Sosioekonomi seperti berikut:-

- (a) Tenaga (Energy);
- (b) Perkhidmatan Perniagaan dan Kewangan (Business and Financial Services);
- (c) Kebudayaan, Kesenian dan Pelancongan (Culture, Arts and Tourism);
- (d) Perubatan dan Penjagaan Kesihatan (Medical and Healthcare);
- (e) Teknologi dan Sistem Pintar (Kejuruteraan dan Pembuatan Generasi Baharu) (Smart Technology and Systems (Next Generation Engineering and Manufacturing));
- (f) Bandar Pintar dan Pengangkutan (Smart Cities and Transportation)
- (g) Air dan Makanan (Water and Food);
- (h) Pertanian dan Perhutanan (Agriculture and Forestry);
- (i) Pendidikan (Education); atau
- (j) Alam Sekitar dan Biodiversiti (Environment and Biodiversity).

# WKB 2030 (KEGA 1-15)

## Wawasan Kemakmuran Bersama 2030 (SPV 2030 - Shared Prosperity Vision 2030)

Setiap permohonan hendaklah **memenuhi salah satu (1)** daripada 15 Aktiviti Pertumbuhan Ekonomi Utama (KEGA - Key Economic Growth Activities) seperti berikut:-

- (a) KEGA 1 - Hub Kewangan Islam 2.0 (Islamic Finance Hub 2.0);
- (b) KEGA 2 - Ekonomi Digital (Digital Economy);
- (c) KEGA 3 - Revolusi Perindustrian Keempat (Industrial Revolution 4.0);
- (d) KEGA 4 - Industri kandungan (Content Industry);
- (e) KEGA 5 - Hub ASEAN (ASEAN Hub);
- (f) KEGA 6 - Hub Halal dan Makanan (Halal and Food Hub);
- (g) KEGA 7 - Komoditi Malaysia 2.0 (Commodity Malaysia 2.0);
- (h) KEGA 8 - Pengangkutan, Logistik dan Mobiliti Lestari (Logistic, Transportation and Sustainable Mobility);
- (i) KEGA 9 - Ekonomi Pesisiran dan Maritim (Coastal and Maritime Economy);
- (j) KEGA 10 - Pusat Kecemerlangan (Centres of Excellence);
- (k) KEGA 11 - Tenaga Boleh Baharu (Renewable Energy);
- (l) KEGA 12 - Ekonomi Hijau (Green Economy);
- (m) KEGA 13 - Pertanian Pintar dan Bernilai Tinggi (Smart and High Value Agriculture);
- (n) KEGA 14 - Perkhidmatan Termaju dan Moden (Advanced and Modern Services); atau
- (o) KEGA 15 - *Malaysia Truly Asia* (Malaysia Truly Asia).

# 18 SDGs

## Matlamat Pembangunan Mampan (SDGs – Sustainable Development Goals)

Setiap permohonan hendaklah **memenuhi salah satu (1)** daripada 18 Matlamat Pembangunan Mampan (SDGs) seperti berikut:-

- (a) SDG 1 - Tiada Kemiskinan (No Poverty);
- (b) SDG 2 - Kelaparan Sifar (Zero Hunger);
- (c) SDG 3 - Kesihatan Baik dan Kesejahteraan (Good Health and Well-being);
- (d) SDG 4 - Pendidikan Berkualiti (Quality Education);
- (e) SDG 5 - Kesaksamaan Gender (Gender Equality);
- (f) SDG 6 - Air Bersih dan Sanitasi (Clean Water and Sanitation);

# 18 SDGs

- (g) SDG 7 - Tenaga Berpatutan dan Bersih (Affordable and Clean Energy);
- (h) SDG 8 - Pekerjaan Yang Sesuai dan Pembangunan Ekonomi (Decent Work and Economic Growth);
- (i) SDG 9 - Industri, Inovasi dan Infrastruktur (Industry, Innovation and Infrastructure);
- (j) SDG 10 - Mengurangkan Ketidaksamaan (Reduced Inequalities);
- (k) SDG 11 - Bandar dan Masyarakat Mampan (Sustainable Cities and Communities);
- (l) SDG 12 - Penggunaan dan Pengeluaran Bertanggungjawab (Responsible Consumption and Production);
- (m) SDG 13 - Tindakan Terhadap Iklim (Climate Action);
- (n) SDG 14 - Kehidupan dalam Air (Life below Water);
- (o) SDG 15 - Kehidupan di Darat (Life on Land);
- (p) SDG 16 - Keamanan, Keadilan dan Pertubuhan Kukuh (Peace, Justice and Strong Institutions);
- (q) SDG 17 - Kerjasama demi Matlamat (Partnerships for the Goals); atau
- (r) Others - Kebahagiaan dan Keharmonian Masyarakat (Societal Harmony and Happiness).

# 9 SEKTOR KEUTAMAAN NEGARA

**\*PANDUAN FRGS 2021.  
BAHAGIAN INI TIADA**

- 1. JAMINAN MAKANAN**
- 2. JAMINAN TENAGA**
- 3. TANAMAN PERLADANGAN**
- 4. KESELAMATAN SIBER\***
- 5. JAMINAN AIR**
- 6. KEPELBAGAIAN BIO**
- 7. PENJAGAAN KESIHATAN DAN  
PERUBATAN**
- 8. ALAM SEKITAR DAN PERUBAHAN IKLIM**
- 9. PENGANGKUTAN & MOBILITY**

**\*Kaitkan dengan IR4.0**



# 7 NASIONAL AGENDA (1)

## **1. ELEVEN MALAYSIAN PLAN (11MP)**

## **2. SUSTAINABLE DEVELOPMENT GOALS (17 SDG)**

**(No poverty, Zero Hunger, Good Health and well being, quality education, gender equality, clean water and sanitation, affordable and clean energy, decent work and economic growth, industry, innovation and infrastructure, reduce inequalities, sustainable cities and communities, Responsible consumption and production, climate action, liver below water, life on land, peace, justice and strong institutions, and partnerships for the goals).**

## **3. 12 ETP NKEA**

**(Education, palm oil & rubber, financial services, business services, tourism, electrical & electronics, oil, gas & energy, wholesale & retail, healthcare, agriculture, greater KL/ Klang Valley, communication & contact infrastructure).**

# 7 NASIONAL AGENDA (2)

## 4. MOHE RESEARCH NICHE

(Energy & water security, tropical medicine, ICT, food security, infection disease, advance material, global warming, other LRGS programs).

## 5. NEW ECONOMIC MODEL

(Improved Rakyat quality of life, entrepreneurial & innovativeness, sustainability, high income, job creation)

## 6. WAWASAN KEMAKMURAN BERSAMA (WKB)

(Teknologi tinggi, inovasi, penyelidikan dan pembangunan (R&D) untuk pertumbuhan baharu merangkumi ekonomi digital, industry aeroangkasa, pertanian pintar, dan perkhidmatan sokongan untuk revolusi perindustrian keempat (IR 4.0))

# 7 NASIONAL AGENDA (3)

## **7. 15 AKTIVITI PERTUMBUHAN EKONOMI UTAMA / KEY ECONOMIC GROWTH ACTIVITIES (KEGA)**

**(Hub kewangan Islam, ekonomi digital, revolusi perindustrian ke-4, industri kandungan, Hub ASEAN, Hub Halal dan Makanan, Komoditi Malaysia 2.0, Pengangkutan, logistics & mobility lestari, ekonomi persisiran & maritime, pusat kecemerlangan, tenaga boleh baharu, ekonomi hijau, pertanian pintar & bernilai tinggi, perkhidmatan termaju & moden, Malaysia Truly Asia)**

# BILANGAN AHLI

- 1. PENYELIDIKAN BERSAMA**  
**MINIMUM 2 AHLI MAKSIMUM**  
**TIDAK DINYATAKAN** (TAHUN LEPAS 5 AHLI SHJ)
- 2. \*MINIMUM 1 AHLI PENYELIDIK**  
**BERSAMA WARGANEGARA**  
**MALAYSIA, KEPAKARAN YANG**  
**SAMA & INSTITUSI YANG SAMA**

# COMPOSITION TEAM

## C(v). Other Researchers

Researcher Id	Name	IC / Passport Number	Faculty/ School/ Centre/ Unit	Position	Area of Expertise	Next Appointed Leader	Role
33077	<a href="#">Nurul Fadly Bin Habidin</a>		Universiti Pendidikan Sultan Idris	Senior Lecturer (Dr. )	Lean operation	<input type="checkbox"/>	Assist in the development of a new strategic cyber security model via lean security cycle
36213	<a href="#">Shanthi A/P Balraj Baboo</a>		Universiti Sains Malaysia	Professor (Professor)	Media & Communication	<input type="checkbox"/>	Monitor and advice the research progress especially on cyber security issues and challenges in digital marketing communications
91467	<a href="#">Kamaruzzaman Bin Abdul Manan</a>		Universiti Pendidikan Sultan Idris	Senior Lecturer (Pensyarah Universiti)	Persuasive communication, Public Relations, Health Communication	<input checked="" type="checkbox"/>	Assist with the data collection and analysis that involved small and medium-sized enterprises
105763	<a href="#">Nur Nadia Binti Abd Mubin</a>		Universiti Pendidikan Sultan Idris	Senior Lecturer (Dr)	New Media and Communication, Visual Communication and Digital Design	<input type="checkbox"/>	Assist in the development and testing of a new strategic cyber security model in digital marketing communications

## Register

Foreign Researcher

Government/Industry Partner

### Filter by:

ID

Full Name

E-mail

University

H-Index

Add Foreign Researcher

Search

Clear

*Please click on the column header to sort.*

## Foreign Researcher

IC/Passport No.

*(e.g. 801231108000 or A123456)*

Nationality\*

Full Name\*

*(as per IC/Passport. Preferable in title case)*

Gender

Male  Female

Position/Category\*

Designation

E-mail Address\*

Handphone No

Office Phone No

 Ext: 

University\*

*(only for foreign university)*

[Add New University](#)

Department

Unit

CV\*

Upload

H-Index

Citation

23

Add

Cancel

## Register

Foreign Researcher

Government/Industry Partner

### Filter by:

ID

Full Name

E-mail

Type

Research Organization

H-Index

Add Government/Industry Partner

Search  Clear



## Government/Industry Partner

IC/Passport No.\*

*(e.g. 801231108000 or A123456)*

Nationality\*

Full Name\*

*(as per IC/Passport. Preferable in title case)*

Gender

Male  Female

Position/Category\*

Designation

E-mail Address\*

Handphone No

Office Phone No

 Ext: 

Type\*

Organization\*

[Add New Organization](#)

Department

Unit

CV\*

H-Index

Citation

25

# PENILAIAN BARU 2020

1. **CARIAN PATEN** (DIGALAKKAN)
2. **KOLABORASI** (DIGALAKKAN)
3. **PENGURUSAN RISIKO** (DIMESTIKAN)

# KOLABORATIF

## FRGS (AMATLAH DIGALAKKAN)

1. **Industri /Agensi**
2. **Organisasi**
3. **Komuniti (Masyarakat)**
4. **Pembuat Polisi**

***DOKUMEN SEKURANG-KURANGNYA SURAT  
NIAT (LETTER OF INTENT) & LAIN-LAIN  
DOKUMEN BERKAITAN***

# CARIAN PATEN

## FRGS (AMATLAH DIGALAKKAN)

<http://lens.org>



KEMENTERIAN PENGAJIAN TINGGI

**JPT** | JABATAN  
PENDIDIKAN  
TINGGI

### SIMPLIFIED PATENT SEARCH REPORT

[using Lens.org (<http://lens.org/>)]

Version 1/2021

Keywords Used	<i>(type in the keywords used in your search)</i>	The Number of Patents Found using Keywords Used	<i>(copy and paste the number)</i>
		Link to the Search Result on Lens.org	<i>(paste the link of your search result copied from the Share box)</i>

**Answer these questions using 'YES' or 'NO'**

NO.	QUESTIONS	(YES / NO)	REMARKS (IF ANY)
<b>COMPULSORY SECTION</b>			
1.	<p><b>Has the number of patents published shown an UPWARD trend?</b></p> <p>If <b>YES</b>, it highlights an increasing interest to protect ideas associated with the keywords used. Increasing interest may indicate developing or sunrise sector showing future potential with substantial growth.</p>		
2.	<p><b>Has the number of patent published shown a DOWNWARD trend?</b></p> <p>If <b>YES</b>, it highlights a decreasing interest in sectors associated with keywords used. It may indicate a declining or sunset sector showing diminishing interest to protect ideas or absence of innovation.</p>		
<p><b>SOCIAL SCIENCES SECTION</b>                      Please answer Questions 3 and 4,                      if the research proposal is categorised under the Research Domain of Social Sciences (SS);                      or Arts and Applied Arts (SSI); or Natural and Cultural Heritage (WAB)</p>			
3.	<p>Does the proposed research output (dataset, knowledge, information) have the <b>POTENTIAL TO BE USED</b> by any of the past patent applicants in the search results?</p>		
4.	<p>Does the proposed research output (dataset, knowledge, information) have the <b>POTENTIAL TO BE USED</b> by any Malaysian Government Ministry/Agency?</p> <p>If <b>YES</b>, please state the name of the Ministry/Agency. If <b>NONE</b>, the research output may not be of use to the national agenda.</p>		

## SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) SECTION

Please answer Questions 5, 6, 7 and 8,  
if the research proposal is categorised under the Research Domain of Technology and Engineering (TK); or Clinical and Health Sciences (SKK); or Pure and Applied Sciences (STG); or Information and Communication Technology (ICT)

5.	<p><b>Does the list of previous patent applicants include potential COLLABORATOR(S)* that are interested in the research output?</b></p> <p>If <b>YES</b>, it shows that the research output is potentially aligned with the requirements of existing collaborator(s) that have entered the sector earlier.</p>		
6.	<p><b>Does the list of previous patent applicants include potential COMPETITOR(S)** when applying the research output?</b></p> <p>If <b>YES</b>, please state the name of the COMPETITOR(S).</p>		
7.	<p><b>Does the patent search yield similar patents that would prevent the commercialisation of the research?</b></p>		
8.	<p><b>Does the patent search yield similar patents already filed in Thailand, Indonesia and Singapore?</b></p>		

\***Collaborators** are past patent applicants listed in the patent search result who have the potential to collaborate with the grant applicants during or after the research project has been completed.

\*\***Competitors** are past patent applicants listed in the patent search result that would compete against the grant applicants and prevent the research output from being utilised or commercialised after the research project has been completed.



CONTOH 2020

## SIMPLIFIED PATENT SEARCH REPORT

[using Lens.org (<http://lens.org/>)]

Version 1/2020

<b>Keywords Used</b>	<i>Lean scorecard</i>	<b>The Number of Patents Found using Keywords Used</b>	296
		<b>Link to the Search Result on Lens.org</b>	<a href="https://link.lens.org/jZDpCpWzopd">https://link.lens.org/jZDpCpWzopd</a>

Answer these questions using 'YES' or 'NO'

No.	Questions	(YES / NO)
1	<b>Has the number of patent published INCREASED for the past 10 years?</b> If yes, it highlights an increasing interest to protect ideas associated with keywords used. Increasing interest may indicate developing or sunrise sector showing potential for substantial and rapid growth.	YES (Rujuk Appendix di bahagian bawah)
2	<b>Has the number of patent published DECREASED for the past 10 years?</b> If yes, it highlights a decreasing interest in sectors associated with keywords used. Decreasing interest may indicate a declining or sunset sector showing diminishing interest to protect ideas or absence of new innovation.	NO
0	<b>Does the description of the highest CPC Classification accurately represent the area of technology or innovation that the research aims to produce?</b> If yes, it indicates correct keyword use that reflect understanding of the nature of the potential research output, its functionality, purpose and composition.	NO

4	<p><b>Does the list of previous patent applicants include potential <b>STAKEHOLDERS</b> for the research output?</b></p> <p>If yes, it shows that the research output is aligned with future stakeholders and has the potential to be commercialised.</p>	NO
5	<p><b>Does the list of previous patent applicants include potential <b>COMPETITORS</b> for the research output?</b></p> <p>If yes, it shows that the research output has potential and is pursued by existing stakeholders in the sector.</p>	NO
6	<p><b>Does the patent search yield similar patents already filed in Malaysia? If yes, does your research output differ from the patents already filed?</b></p>	NO
7	<p><b>Does the patent search yield similar patents already filed in Thailand, Indonesia and Singapore? If yes, does your research output differ from the patents already filed?</b></p>	NO
8	<p><b>Does the inventor with the highest number of patents filed or awarded possess more than 2 patents to his/her name?</b></p> <p>If yes, it shows possible continuous pursuant of ideas associated with the research output by other interested parties.</p>	NO



## Appendix

### Tajuk Penyelidikan (FRGS):

Model Pengkomersialan Harta Intelektual dan Penyelidikan Akademia Berdasarkan Sinergi Leanpreneur dalam Memacu Pertumbuhan Ekonomi dan Kemakmuran Bersama

Patent Search: Lean Scorecard

Link: <https://link.lens.org/jZDpCpWzopd>

**Soalan No. 1: Has the number of patent published INCREASED for the past 10 years?**  
If yes, it highlights an increasing interest to protect ideas associated with keywords used. Increasing interest may indicate developing or sunrise sector showing potential for substantial and rapid growth.

**Soalan No. 2: Has the number of patent published DECREASED for the past 10 years?**

**Jawapan No. 1: Yes**

**Jawapan No. 2: No**

**Justifikasi:** Jumlah paten yang tertinggi diterbitkan adalah 97 pada tahun 2003. Merujuk 10 tahun terkini, tahun 2011 (9 paten), 2019 (16 paten) dan 2020 (3 paten), Sila Rujuk Rajah 1. Ini boleh disimpulkan bahawa terdapat peningkatan dari tahun 2011-2019 dan telah ada permulaan yang positif pada tahun 2020. Walaubagaimanapun, perkembangan ini lebih tertumpu di Negara Amerika dan Australia. Justeru itu, pasaran ASEAN yang kian membangun perlu di lihat dari perspektif yang positif dan berpotensi, memandangkan populasi yang tinggi dan perkembangan ekonomi yang kian mampan. Dalam Rajah 2, Negara Asian di Singapura, Malaysia, Indonesia dan Thailand tiada maklumat diperolehi.

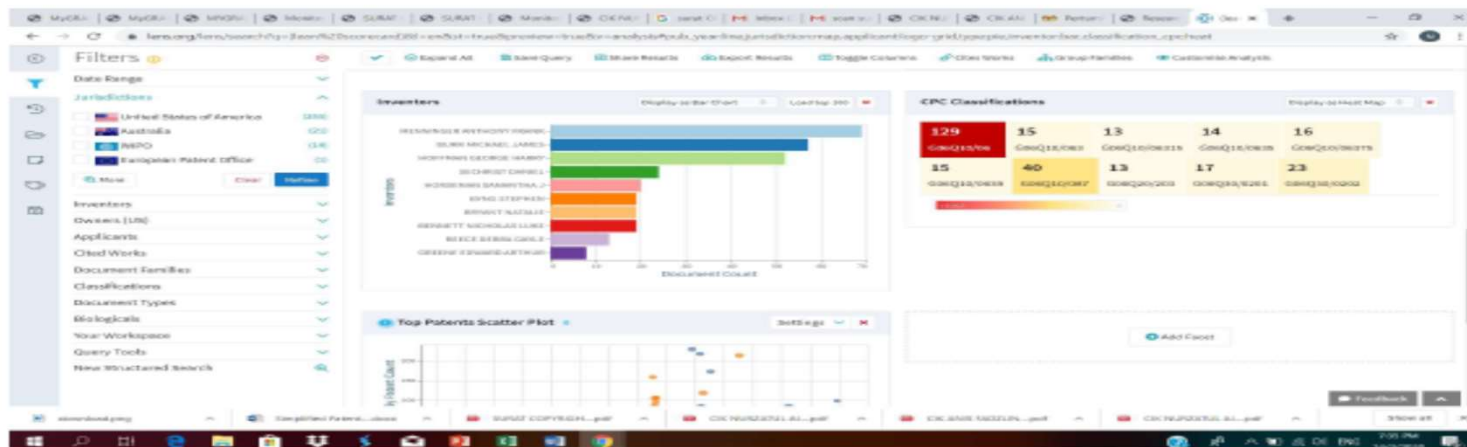


Rajah 1: Jumlah paten diterbitkan (Worldwide)

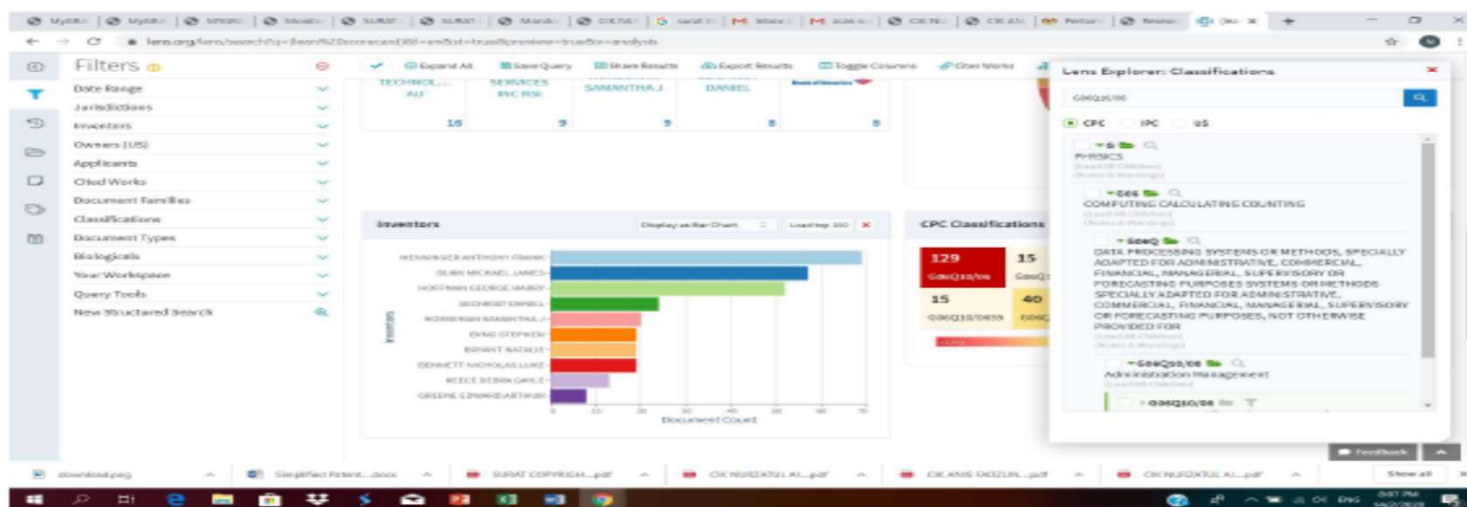
**SOALAN NO. 3: Does the description of the highest CPC Classification accurately represent the area of technology or innovation that the research aims to produce?**

**Jawapan No. 3: No**

**Justifikasi:** Mengikut kod G06Q10/06 yang CPC yang tertinggi adalah sebanyak 129, yang mana menunjukkan paten lebih menjurus dalam bidang (kategori) fizik (1), pengkomputeran (2), pemprosesan data (3) dan pengurusan pentadbiran (4). Jadi, yang paling tinggi adalah bidang fizik. Namun ada perkembangan dalam aspek sains sosial terutama dalam pengurusan. Ini berpotensi memberi peluang kepada Negara untuk permohonan paten bagi tujuan pengkomersialan. Namun, keputusan ini adalah merujuk *worldwide* yang mana Negara ASEAN di Singapura, Malaysia, Indonesia dan Thailand tiada maklumat diperolehi. Sila rujuk Rajah 3a & 3b



Rajah 3a: Klasifikasi CPC



Rajah 3b: klasifikasi CPC (lanjutan)

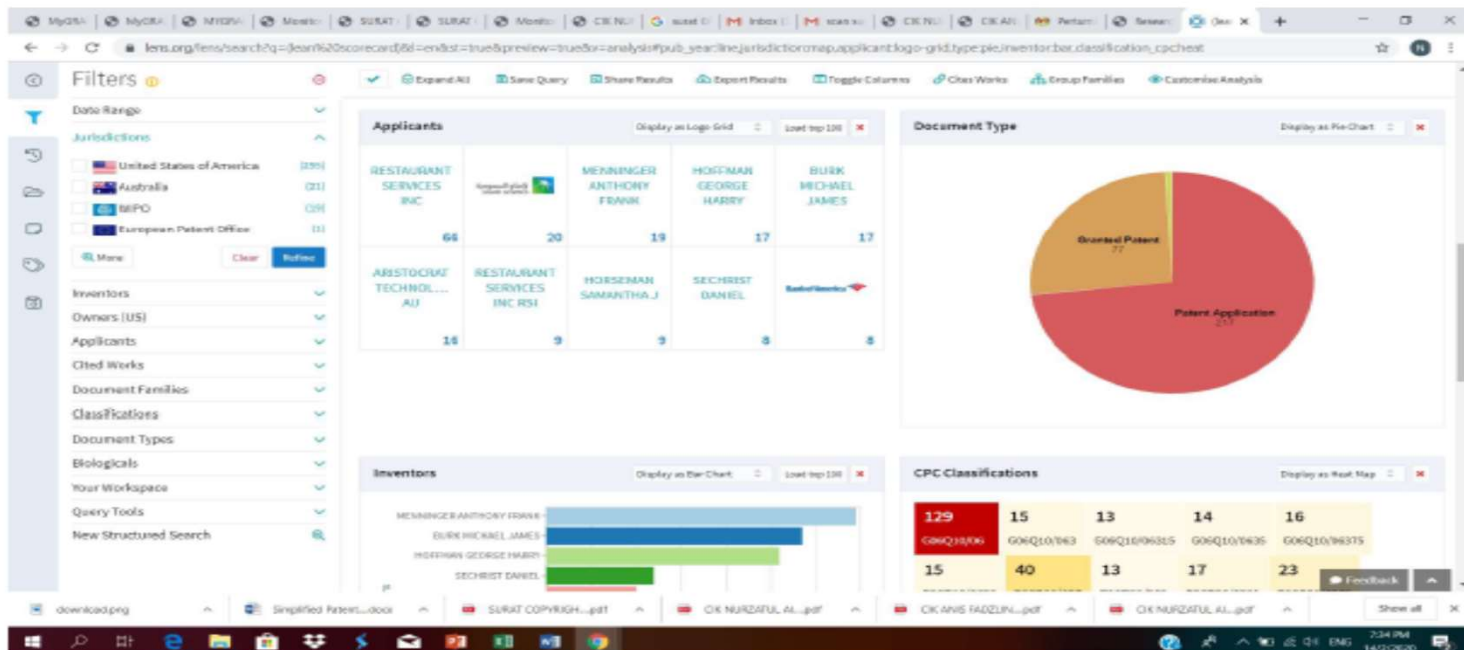
**SOALAN NO. 4: Does the list of previous patent applicants include potential STAKEHOLDERS for the research output?**

**SOALAN NO. 5: Does the list of previous patent applicants include potential COMPETITORS for the research output?**

**Jawapan No. 4: No**

**Jawapan No. 5: No**

**Justifikasi:** Mengikuti permohonan (*Applicants*) yang dihitung mengikut kuantiti yang tertinggi menunjukkan kepada bidang (kategori) perkhidmatan makanan (restoran), syarikat minyak dan gas, dan perkhidmatan perbankan. Keputusan ini menunjukkan bahawa bidang perkhidmatan merupakan potensi yang tinggi. Merujuk kajian ini, selain IPTA beberapa syarikat pembangunan perkhidmatan konsultasi dan latihan dalam lean berminat untuk pengkomersialkan harta intelek dan penyelidikan IPTA (rujuk lampiran syarikat bersetuju untuk berkolaborasi). Manakala, dari aspek persaingan tiada dari sayrikat seumpama universiti atau perkaitannya. Walaupun begitu secara tidak langsung kolaborasi industri dan universiti di peringkat antarabangsa sudah lama berkembang termasuk di Asia. Ini sedikit sebanyak memberi peluang untuk kolaborasi industri dan universiti melalui model dan sistem yang akan dibangunkan. Sila rujuk Rajah 4.

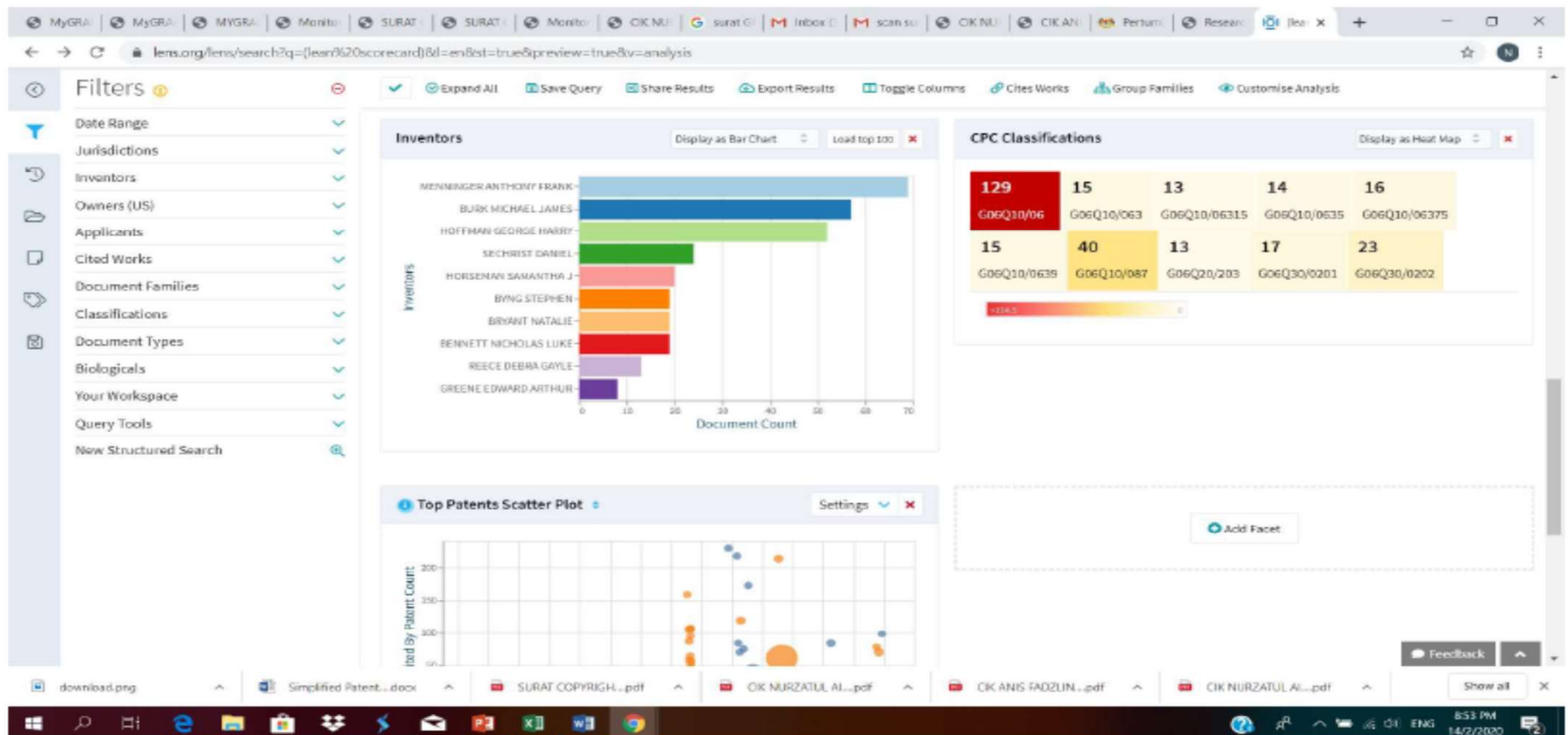


Rajah 4: Permohonan (Applicants) dari syarikat

**Soalan No. 8: Does the inventor with the highest number of patents filed or awarded possess more than 2 patents to his/her name?**

**Jawapan No. 8 : No**

**Justifikasi:** Rujuh Rajah 5, inventor yang tertinggi adalah Menninger Anthony Frank. Dari 10 tersenarai Inventor ini mengesahkan tiada 2 paten atau lebih dari Inventor tertinggi ini.



Rajah 5: Jumlah Inventors

# PENGURUSAN RISIKO

**F(iii). Risk Assessment (Please describe factors that may cause delays in, or prevent implementation of, the project as proposed above; estimate also the degree of risk)**

Secara Keseluruhan Penyelidikan ini mempunyai risiko yang rendah dalam proses sebelum, semasa dan selepas. Penyelidikan ini memerlukan masa 2 tahun. Dengan bantuan rakan penyelidik yang sesuai dan melengkapi dengan dana penyelidikan dari KPT kajian ini dapat direalisasikan dalam tempoh dan mencapai KPI yang ditetapkan. Untuk laporan penilaian risiko boleh Rujuk Apendix: Analisis SWOT Pengurusan Risiko.

Risk	Low	Medium	High
1. Technical	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Timing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Budget	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# PENGURUSAN RISIKO

**FRGS (DIMESTIKAN)**

**“SWOT ANALYSIS”**

<b>STRENGTH</b>	<b>WEAKNESSES</b>
<b>OPPORTUNITY</b>	<b>THREATS</b>

## ANALIS SWOT UNTUK PENGURUSAN RISIKO

**Tajuk Penyelidikan:** Model Pengkomersialan Harta Intelektual dan Penyelidikan Akademia Berdasarkan Sinergi Leanpreneur dalam Memacu Pertumbuhan Ekonomi dan Kemakmuran Bersama

STRENGTHS (S)			WEAKNESSES (W)		
<i>Sebelum</i>	<i>Semasa</i>	<i>Selepas</i>	<i>Sebelum</i>	<i>Semasa</i>	<i>Selepas</i>
1. Ketua penyelidik dan ahli ada pengalaman penulisan artikel jurnal dalam bidang pembangunan penyelidikan, harta intelek, lean operasi, accounting: balanced scorecard dan Keusahawanan) ada pengalaman membangunkan 3 sistem/tool untuk 3 geran FRGS sebelum ini.	1. Menegenalpasti potensi harta Intelek academia IPTA 2. Mengenalpasti potensi penyelidikan academia IPTA	1. Model Baharu Pengkomersialan Harta Intelek dan Penyelidikan Akademia Berasaskan Sinergi Leanpreneur Scorecard 2. Sistem berasaskan Web Pengkomersialan Harta Intelek dan Penyelidikan Akademia Berasaskan Sinergi Leanpreneur Scorecard	1. Kekurangan kajian literatur sistematik Literature Review (SLR) di Asean terutamanya. 2. Kaedah Mix Method (MM)  *(solusi: keseluruhannya penyelidik utama tiada masalah kerana ahli penyelidikan seimbang dalam kuantitatif dan kualitatif dan bagi pensyarah muda akan mengambil langkah awal dengan bercadang hadir kursus SLR & MM advanced sebelum geran ini bermula)	1. pengujian, keselamatan dan pengesahan sistem memerlukan pakar konsultan dari industri.  *(solusi: penyelidik tiada masalah bangunkan sistem, namun tujuan pasaran industri perlu sokongan luar dari konsultan untuk mengesahkan sistem. Permohonan budget untuk konsultansi dipohon dalam geran ini)	1. Tiada
OPPORTUNITIES (O)			THREATS (T)		
<i>Sebelum</i>	<i>Semasa</i>	<i>Selepas</i>	<i>Sebelum</i>	<i>Semasa</i>	<i>Selepas</i>
1. Lean Scorecard telah ada di Amerika dan Australia (Rujuk Patent Search). Di Asean tiada lagi paten.	1. Integrasi (Sinergi) beberapa bidang ilmu pembangunan penyelidikan, harta intelek, lean, keusahawanan, balanced scorecard dalam satu model.	1. Penerbitan artikel jurnal yang luas 2. Harta intelek 3. Pengkomersialan 4. Jalinan Industri dan antarabangsa *(Weaknesses dan Threats buka peluang luas untuk pelbagai aspek perkembangan)	Lean Scorecard telah ada di Amerika dan Australia (Rujuk Patent Search). Di Asean tiada lagi paten.  *(solusi: 1 paten akan terhasil dari kajian ini untuk pasaran ASEAN)	1. Tiada	1. Tiada

# 5 PENGHASILAN BAKAT & OUTPUT

1. **PhD (1: 3) @ SARJANA (1:2, 2:3)**  
**(SV= Ketua @ Penyelidik Bersama)**

2. **ARTIKEL JURNAL BERINDEKS (WOS/SCOPUS/ERA/MyCITE)**  
**(sekurang-kurangnya 2 (\*1 WOS) & jelas dalam setiap penerbitan), digalakkan penulis bersama dari industri dan pernghargaan kepada geran FRGS, KPT**

3. **HARTA INTELEK**

4. **IMPACT ON SOCIETY, INDUSTRY (ECONOMY), ACADEMIA & GOVERNMENT (NATION)**

5. **TEORI BARU / DAPATAN BARU / PENGETAHUAN BARU**



3. Research Publications (Each proposal must produce at least two (2) papers in indexed journals, one of which should be in Web of Science (WoS))

Indexing Body	1.	2.	Indexed Journal	
			Number of Publication	Name of Journal
WoS	✓	✓	<input type="text"/>	<input type="text"/>
SCOPUS		✓ @	<input type="text"/>	<input type="text"/>
ERA		✓ @	<input type="text"/>	<input type="text"/>
MyCITE		✓ @	<input type="text"/>	<input type="text"/>
			Total 0	41

# CITATION & RUJUKAN

1. RELEVAN
2. 5 TAHUN TERKINI
3. TIDAK TERLALU BANYAK (\*10-15)
4. CITATION DITEMPAT YANG RELEVAN SAHAJA
5. BERTUJUAN UNTUK KEPERLUAN PROJEK
6. UNTUK *HIGHLIGHT* PENYATAAN MASALAH
7. MAKLUMAT YANG PENTING
8. MENGENAL PASTI KELOMPONGAN  
PENGETAHUAN
9. KEPERLUAN MENILAI KRITERIA & LAIN-LAIN

## 22 RESEARCH DELIVERABLES (FUNDAMENTAL)

1. KIT/ 2. DIAGNOSTIC/ 3. TOOL
4. SYSTEM
5. DATABASE / 6. PROFILLING
7. NEW PLANT VARIANT
8. EQUIPMENT
9. INSTRUMENT
10. POLICY
11. NEW FRAMEWORK
12. PARAMETER
13. MODEL BAHARU
14. MODULE
15. GUIDELINE 16. INDEX
17. NEW THEORY
18. DEVELOPING (OTHERS)
19. PENILAIAN SEMULA
20. KERANGKA PENYELESAIAN
21. MECHANISM
22. BENCHMARKING

# PROPOSAL FRGS YANG TERBAIK\*

- 1. CATCHY TITLE**
- 2. CONCISE & SOLID OBJECTIVES**
- 3. PROBLEM-ORIENTED RESEARCH BACKGROUND**
- 4. COHESIVE RESEARCH METHODOLOGY**
- 5. REFLECTIVE MILESTONES AND PROJECT ACTIVITIES**
- 6. RELEVANT & UP TO DATE REFERENCES**
- 7. DETAILED & CONVINCING BUDGET**

\*OTHERS EXPERT VIEW

# PROPOSAL FRGS YANG TERBAIK\*

1. **SHORT / SIMPLE/ CONCISE & SOLID**
2. **GIVE THE IMPRESSION AS TO THE LEVEL OF WORK / INTENSIVENESS OF WORK**
3. **USE CATCHY / BOMBASTIC WORDS TO ATTRACT ATTENTION TO FIND OUT MORE ABOUT THE PROJECT**
4. **SIGNIFY STATUS OF RESEARCH THAT WILL BE PERFORM**
5. **SIGNIFY THE AREA OF EXPERTISE THAT APPLICANT ARE BEING GROOMED FOR**
6. **MUST REFLECT THE OVERALL WORK THAT APPLICANTS WOULD LIKE TO DO**
7. **SIGNIFY THE TYPE OF RESEARCH THAT WILL BE PERFORMED, LAB BASED, PRODUCT BASED, FUNDAMENTAL**

\*OTHERS EXPERT VIEW

# OBJEKTIF

1. **SHORT CLEAR AND STRAIGHTFORWARD**
2. **LIST THE MAIN OBJECTIVES**
3. **MAKE SURE IT IS REALISTIC AND ACHIEVABLE WITHIN TWO YEAR**
4. **NOT TOO MANY**
5. **MUST BE REFLECTED IN SCOPES AND FUNDAMENTAL ASPECT OF THE RESEARCH TO BE PERFORMED**
6. **VERY IMPORTANT SINCE IT WILL DETERMINE THE REST OF THE PROPOSAL (ACTIVITY, IMPACT, BENEFIT, EXPECTED RESULT/OUTPUT, IN LINE WITH PRIORITY AREA/ TOPIC)**

PENGALAMAN  
FRGS 2020-  
2017

KETUA PENYELIDIK (4) &  
PENYELIDIK BERSAMA (20)

**SEMUA BOLEH SUKSES:**

**MULA DARI AWAL, KITA USAHAKAN YANG TERBAIK  
& BERTERUSAN**

## KETUA PENYELIDIK GERAN PENYELIDIKAN FRGS & PRGS (2011-2020)

FRGS (4) + PRGS (2): RM473.130.00

*Nama Penyelidik: Nurul Fadly Habidin, Universiti Pendidikan Sultan Idris*

1. The Development of Green Lean Six Sigma Model for Malaysian Automotive Industry (2011), **FRGS**, RM50,00.00, (Completed).
2. Eco-Green Lean Six Sigma Performance Improvement (EGLSSPI) System for Business Engineering Process: Strategic Prototype for Define, Measure, Analyze, Improve and Control Improvement (2012), **PRGS**, RM150, 000.00. (Completed).
3. The Development of Integrated Islamic Business Engineering Practices and Performance Improvement Tool for Malaysian Automotive Industry (2013), **FRGS**, RM70,00.00, (Completed).
4. Lean Healthcare Performance Improvement (LHPI) Tool For Malaysian Healthcare Industry (2016), **FRGS**, RM48, 00.00, (Completed).
5. The Development of Total Productive Maintenance Tool for Lean Dashboard, Statistical and Performance Efficiency in Malaysian Modern Manufacturer (2016), **PRGS**, RM69,530.00, (Completed).
6. Model Pengkomersialan Harta Intelek dan Penyelidikan Academia Berdasarkan Sinergi Leanpreneur dalam Memacu Pertumbuhan Ekonomi dan Kemakmuran Bersama (2020), **FRGS**, RM85,600.00, (In Progress).



**AHLI PENYELIDIK BERSAMA 20 GERAN PENYELIDIKAN FRGS (2012-2020)**

**KESELURUHAN JUMLAH: RM830,664.00**

*Nurul Fadly Habidin, Universiti Pendidikan Sultan Idris*

1. **Developing E-Millennialpreneur 4.0 Education Model towards Muslim Youth SME Success (2020), FRGS, RM92,180.00 (In progress).**
2. **Model Keusahawanan Sekolah (Schoolpreneur) Penggerak Dasar Keusahawanan Nasional (DKN) 2030 (2020), FRGS, RM65,090.00 (In progress).**
3. **Developing A New Strategic Cyber Security Model in Digital Marketing Communications for Small and Medium-Sized Enterprises (SMEs) (2020), FRGS, RM84,600.00), (In progress).**
4. **Developing a Information Ecology Model for Privacy and Data Protection in Artificial Intelligence Technology (2020). FRGS, RM80,968.00 (In progress).**
5. **Development and Evaluation of the Health Educational Module (HEM) on Childhood Obesity Management (COM) for School Health Nurses (SHN) (2019), FRGS, RM84,500.00, (In progress).**
6. **Developing a Practical Entrepreneurship Model on Ride-Sharing Business Based on Government Cash Transfer (BSH) (2019), FRGS, RM58,576.00 (Grant Code: 2020-0009-106-77), (In progress).**
7. **Model Gerontologi Berdasarkan Sunnah Nabawiyah Penjagaan Warga Emas Golongan B40 (2019), FRGS, RM56, 000.00, (In progress).**
8. **A Framework for Countering Measurement of Cyberbullying using Grounded Theory Method: A Malaysian Perspective (2019), FRGS, RM53, 200.00, (In progress).**
9. **Crafting a New Research and Development Strategy Model to Underpin Waste and Resource Policy Using Lean Six Sigma Approach (2019), FRGS, RM53,400, (In progress).**

10. Transforming University Social Responsibilities (USR) Mechanisms to Strengthen Higher Education Roles in Meeting the Fourth Industrial Revolution (4IR) Challenges (2018), *FRGS*, RM50,950.00, (In progress).
11. Developing Langkawi as a Luxury Destination Brand (2018), *FRGS*, RM61, 000.00 (In progress).
12. Model TahfizpreneurTadbir Urus Tahfiz Swasta di Malaysia (2018), *FRGS*, RM71, 200), (In progress).
13. Transformation of Resource and Identity Management in Realizing the Model of Mosque in Perak (2017). *FRGS*, RM53, 00.00 (In progress).
14. Developing A Theoretical Model On The Effect Of Nutrition Label On The Consumers' Healthy Food Choice As Ways To Strengthen The Consumers' Rights Protection (2016), *FRGS*, RM44,00.00, (Completed)
15. Consumer spending patterns and the Malaysian Society for the Product and Functional Foods (2016), *FRGS*, RM57,00.00, (Completed)
16. The Development of Green Management Initiatives and Environmental Performance Improvement Tool for Malaysian Manufacturing Industry (2014). *FRGS*, RM90,200.00 (Completed)
17. Human Capital Stock Colleagues and Individual Wage Growth: An Empirical Study in Malaysia (2014). *FRGS*, RM90,200.00 (Completed)
18. The Development of Strategic Green Lean Healthcare Performance Improvement (SGLHPI) Systems for Malaysian Healthcare Industry (2012). *FRGS*, RM50,00.00 (Grant Code: 2012-0017-106-02), (Completed)
19. The Development of Eco- Sustainable Green Scorecard Blitz Tool for Malaysian Automotive Industry (2012), *FRGS*, RM30,000.00, (Completed)
20. The Modeling of Optimal Economic Uncertainty Index: An Application in Selected Developed and Developing Countries (2012), *FRGS*, RM 50,000.00, (Completed)

SUKSES GERAN  
FRGS 2020-2017

**PERKONGSIAN SUKSES  
LULUS (15)  
GERAN FRGS 2020-2017**

***TAJUK, DOMAIN, KLUSTER, NPA,  
OBJ & RQ “12%”***

SUKSES 1

(LULUS: FRGS 2020)

**MODEL PENGKOMERSIALAN HARTA INTELEK  
DAN PENYELIDIKAN AKADEMI BERDASARKAN  
SINERGI LEANPRENEUR DALAM MEMACU  
PERTUMBUHAN EKONOMI DAN KEMAKMURAN  
BERSAMA**

*(Nurul Fadly Habidin, Mad Ithnin Salleh, Mohd Yahya Mohd  
Hussin, Fidlizan Muhammad, Azyyati Anuar & Siti Asma Mohd  
Rosdi)*

**(RD: Social Science \_Sub RD Business\_acc\_fin\_marketing)**

**(RC: Education & Knowledgeable Civil Society)**

**(NPA: Environment & Climate Change)**

**RM85,600**

# SUKSES 1

(LULUS: FRGS 2020)

**RO1: MEMBINA DAN MENGESAHKAN MODEL PENGKOMERSILAN HARTA INTEKTUAL DAN PENYELIDIKAN AKADEmia BERDASARKAN SINERGI LEANPRENEUR SCORECARD**

**RQ1: BAGAIMANAKAH PEMBANGUNAN DAN PENGESAHKAN MODEL PENGKOMERSILAN HARTA INTELEK DAN PENYELIDIKAN AKADEmia BERDASARKAN SINERGI LEANPRENEUR SCORECARD ?**

**RO2: MENYIASAT KESAN MODEL PENGKOMERSILAN HARTA INTEKTUAL DAN PENYELIDIKAN AKADEmia BERDASARKAN SINERGI LEANPRENEUR SCORECARD TERHADAP PRESTASI**

**RQ2: MENGAPAKAH KESAN MODEL PENGKOMERSILAN HARTA INTELEK DAN PENYELIDIKAN AKADEmia BERDASARKAN SINERGI LEANPRENEUR SCORECARD TERHADAP PRESTASI PERLU DIANALISIS?**

**RO3: MEMBINA SISTEM BERASASKAN WEB PENGKOMERSILAN HARTA INTEKTUAL DAN PENYELIDIKAN AKADEmia BERDASARKAN SINERGI LEANPRENEUR SCORECARD.**

**RQ3: BAGAIMANAKAH PEMBANGUNAN SISTEM BERASASKAN WEB PENGKOMERSILAN HARTA INTELEK DAN PENYELIDIKAN AKADEmia BERDASARKAN SINERGI LEANPRENEUR SCORECARD.**

SUKSES 2

(LULUS: FRGS 2020)

**MODEL KEUSAHAWANAN SEKOLAH  
(SCHOOLPRENEUR) PENGGERAK DASAR  
KEUSAHAWANAN NASIONAL (DKN) 2030**

*(Sharul Effendy Janudin, Mad Ithnin Salleh, Mazura Mastura  
Muhammad & Aslida Mohd Aris & Nurul Fadly Habidin)*

**(RD: Social Science \_Sub RD Business\_acc\_fin\_markerting)**

**(RC: Social & Economic Wellbeing**

**(NPA: Environment & Climate Change)**

**RM65,090**

# SUKSES 2

(LULUS: FRGS 2020)

MENGAPAKAH

MENYIASAT

RO1: **MENGAJAJI** MODEL PELAKSANAAN AKTIVITI KEUSAHAWANAN SEKOLAH (SCHOOLPRENEUR) YANG DILAKSANAKAN DI PERINGKAT SEKOLAH MENENGAH BERDAFTAR DENGAN KEMENTERIAN PENDIDIKAN MALAYSIA

RQ1: **APAKAH** MODEL PELAKSANAAN AKTIVITI KEUSAHAWANAN SEKOLAH (SCHOOLPRENEUR) YANG DILAKSANAKAN DI PERINGKAT SEKOLAH MENENGAH BERDAFTAR DENGAN KEMENTERIAN PENDIDIKAN MALAYSIA?

RO2: **MENENTUKAN** KOMPONEN PENGGERAK MODEL KEUSAHAWANAN SEKOLAH (SCHOOLPRENEUR) YANG SESUAI DENGAN PERSEKITARAN SEKOLAH MENENGAH BERDAFTAR DENGAN KEMENTERIAN PENDIDIKAN MALAYSIA

RQ2: **APAKAH** KOMPONEN PENGGERAK MODEL KEUSAHAWANAN SEKOLAH (SCHOOLPRENEUR) YANG SESUAI DENGAN PERSEKITARAN SEKOLAH MENENGAH BERDAFTAR DENGAN KEMENTERIAN PENDIDIKAN MALAYSIA?

RO3: **MEMBINA** MODEL KEUSAHAWANAN SEKOLAH (SCHOOLPRENEUR) SEKOLAH MENENGAH BERDAFTAR DENGAN KEMENTERIAN PENDIDIKAN MALAYSIA SELARI DENGAN DASAR KEUSAHAWANAN NASIONAL 2030.

RQ3: **APAKAH** MODEL KEUSAHAWANAN SEKOLAH (SCHOOLPRENEUR) SEKOLAH MENENGAH BERDAFTAR DENGAN KEMENTERIAN PENDIDIKAN MALAYSIA SELARI DENGAN DASAR KEUSAHAWANAN NASIONAL 2030.

MENYIASAT

BAGAIMANAKAH PEMBANGUNAN

PERLU DIANALISIS?

SUKSES 3

(LULUS: FRGS 2020)

**DEVELOPING E-MILLENNIALPRENEUR 4.0  
EDUCATION MODEL TOWARDS MUSLIM YOUTH  
SME SUCCESS**

*(Nadratul Nafisah Abdul Wahab, Norsamsinar Samsudin,  
Thuraiya Zakariya & Siti Asma Mohd Rosdi & Nurul Fadly  
Habidin)*

**(RD: Social Science \_Economics)  
(RC: Social & Economic Wellbeing)  
(NPA: Cyber Security)**

**RM92,180**



# SUKSES 3

(LULUS: FRGS 2020)

**RO1: TO INVESTIGATE THE FACTORS CONTRIBUTE TO THE MILLENNIAL MUSLIM SME.**

**RQ1: WHAT ARE THE FACTORS CONTRIBUTE TO THE MILLENNIAL MUSLIM SME?**

WHY

NECESSARY FOR ANALYSIS ?

**RO2: TO DEVELOP SUCCESSFUL E-MILLENNIALPRENEUR MUSLIM SME 4.0 EDUCATION MODEL FOR MUSLIM MILLENIALS IN MALAYSIA.**

**RQ2: HOW TO DEVELOP SUCCESSFUL E-MILLENNIALPRENEUR MUSLIM SME 4.0 EDUCATION MODEL FOR MUSLIM MILLENIALS IN MALAYSIA?**

**RO3: TO KNOW HOW THE E-MILLENNIALPRENEUR MUSLIM SME 4.0 EDUCATION MODEL IS DYNAMICLY AND SUCCESSFULLY ADAPTED TO MALAYSIAN MILLENNIALS.**

**RQ3: HOW THE E-MILLENNIALPRENEUR MUSLIM SME 4.0 EDUCATION MODEL IS DYNAMICLY AND SUCCESSFULLY ADAPTED TO MALAYSIAN MILLENNIALS?**

SUKSES 4

(LULUS: FRGS 2020)

## DEVELOPING A INFORMATION ECOLOGY MODEL FOR PRIVACY AND DATA PROTECTION IN ARTIFICIAL INTELLIGENCE TECHNOLOGY

*(Saslina Kamaruddin, Wan Rosalili Wan Rosli, Ani Munirah  
Mohamad, Rafizah Abu Hassan, Nadia Nabila Mohd Saufi &  
Nurul Fadly Habidin)*

**(RD: Arts and Applied Arts\_Policies & Law)**

**(RC: National Security)**

**(NPA: Cyber Security)**

**RM80,968**

# SUKSES 4

(LULUS: FRGS 2020)

**RO1: TO INVESTIGATE THE DEFICIENCIES OF THE EXISTING LEGAL MODEL IN GOVERNING BREACH OF PRIVACY AND DATA PROTECTION IN ARTIFICIAL INTELLIGENCE TECHNOLOGY ADOPTION/UTILIZATION.**

**RQ1: WHY IS THE CURRENT LEGAL MODEL DEFICIENT IN ADDRESSING THE ISSUE OF PRIVACY INVASION AND DATA PROTECTION IN THE USAGE AND ADOPTION OF ARTIFICIAL INTELLIGENCE TECHNOLOGY?**

**RO2: TO DEVELOP A NEW INFORMATION ECOLOGY LEGAL MODEL FOR PRIVACY AND DATA PROTECTION IN ARTIFICIAL INTELLIGENCE TECHNOLOGY AS AN ALTERNATIVE MODEL WHICH WOULD PROVIDE FOR MORE EFFICIENT GOVERNANCE MODEL THAN BEFORE FOR ARTIFICIAL INTELLIGENCE TECHNOLOGY AND WOULD BE INLINE WITH NKEA AND IR4.0**

**RQ2: HOW THE NEW INFORMATION ECOLOGY LEGAL MODEL FOR PRIVACY AND DATA PROTECTION IN ARTIFICIAL INTELLIGENCE TECHNOLOGY WOULD BE A NEW & ALTERNATIVE MODEL IN GOVERNING THE ISSUES OF PRIVACY ENCROACHMENT AND DATA PROTECTION AND PROVIDES FOR A MORE EFFICIENT LEGAL MODEL THAN BEFORE FOR ARTIFICIAL INTELLIGENCE TECHNOLOGY?**

SUKSES 5

(LULUS: FRGS 2020)

## **DEVELOPING A NEW STRATEGIC CYBER SECURITY MODEL IN DIGITAL MARKETING COMMUNICATIONS FOR SMALL AND MEDIUM-SIZED ENTERPRISES (SMES)**

*(Siti Nor Amalina Ahmad Tajuddin, Shanthi Balraj Baboo, Kamarulzaman Abdul Manan & Nur Nadia Abd Mubin & Nurul Fadly Habidin)*

**(RD: Social Science \_ Communication)**

**(RC: Social & Economic Wellbeing)**

**(NPA: Cyber Security)**

**RM84,600**

# SUKSES 5

(LULUS: FRGS 2020)

**RO1: TO INVESTIGATE CYBER SECURITY ISSUES AND CHALLENGES IN DIGITAL MARKETING COMMUNICATIONS AMONG SMALL AND MEDIUM-SIZED MALAYSIAN ENTERPRISES.**

**RQ1: WHAT ARE THE CYBER SECURITY ISSUES AND CHALLENGES IN DIGITAL MARKETING COMMUNICATIONS AMONG SMALL AND MEDIUM-SIZED ENTERPRISES IN MALAYSIA?**

WHY

NECESSARY FOR ANALYSIS ?

**RO2: TO DEVELOP A NEW STRATEGIC CYBER SECURITY MODEL IN DIGITAL MARKETING COMMUNICATIONS FOR SMALL AND MEDIUM-SIZED ENTERPRISES IN MALAYSIA.**

**RQ2: HOW TO DEVELOP A NEW STRATEGIC CYBER SECURITY MODEL IN DIGITAL MARKETING COMMUNICATIONS FOR SMALL AND MEDIUM-SIZED ENTERPRISES IN MALAYSIA?**

**RO3: TO TEST THE NEW STRATEGIC CYBER SECURITY MODEL IN EVALUATING ITS APPLICABILITY AND PRACTICALITY WITHIN DIGITAL MARKETING COMMUNICATIONS FOR SMALL AND MEDIUM-SIZED ENTERPRISES IN MALAYSIA.**

DEVELOP

**RQ3: HOW TO DEVELOP THE NEW STRATEGIC CYBER SECURITY MODEL WILL BE TESTED TO EVALUATE ITS APPLICABILITY AND PRACTICALITY WITHIN DIGITAL MARKETING COMMUNICATIONS FOR SMALL AND MEDIUM-SIZED ENTERPRISES IN MALAYSIA?**

SUKSES 6

(LULUS: FRGS 2019)

# DEVELOPING A PRACTICAL ENTREPRENEURSHIP MODEL ON RIDE-SHARING BUSINESS BASED ON GOVERNMENT CASH TRANSFER (BSH)

*(Nur Hazwani Zolkifly (UiTM), Nur Lailatul Husna Mohammad  
Yusof, Shahrel Nizar Baharom & Nurul Fadly Habidin)*

**(RD: Social Science \_Sub RD Economics)**

**(RC: Social & Economic Wellbeing)**

**(NPA: Transportation & Mobility)**

**RM53,400**

SUKSES 6

(LULUS: FRGS 2019)

**RO1: TO INVESTIGATE THE SPENDING OF B40 ON THE GOVERNMENT CASH TRANSFERS**

**RQ1: HOW B40 SPEND THEIR GOVERNMENT CASH TRANSFERS?**

DEVELOP

**RO2: TO IDENTIFY THE MECHANISM FOR CAR REBATES FOR CASH TRANSFER RECIPIENTS**

**RQ2: HOW TO DEVELOP PRACTICAL MECHANISM FOR CAR REBATES FOR CASH TRANSFER RECIPIENTS?**

SUKSES 7

(LULUS: FRGS 2019)

# MODEL GERONTOLOGI BERDASARKAN SUNNAH NABAWIYYAH PENJAGAAN WARGA EMAS GOLONGAN B40

*(Mohd Syukri Mohd Noor (UiTM), Rohaizan Baru, Mohd Ashrof Zaki  
Yaakob, Norazmi Anas, Shahril Nizam Zulkipli, Ahmad Sanusi Azmi &  
Nurul Fadly Habidin)*

**(RD: Art & Applied Arts\_Sub RD Religion)**

**(RC: Social & Economic Wellbeing)**

**(NPA: Healthcare & Medicine)**

**RM63,200**



# SUKSES 7

(LULUS: FRGS 2019)

**RO1: MENGHURAIKAN MASALAH PENJAGAAN WARGA EMAS GOLONGAN B40**

**RQ1: MENGAPAKAH MASALAH PENJAGAAN WARGA EMAS GOLONGAN B40 PERLU DIANALISIS?**

**RO2: MENGANALISIS ASPEK PENJAGAAN WARGA EMAS GOLONGAN B40 BERDASARKAN SUNNAH NABAWIYYAH**

**RQ2: MENGAPAKAH ASPEK PENJAGAAN WARGA EMAS GOLONGAN B40 PERLU DIANALISIS BERDASARKAN SUNNAH NABAWIYYAH?**

**RO3: MEMBANGUNKAN MODEL GERONTOLOGI BERDASARKAN SUNNAH NABAWIYYAH PENJAGAAN WARGA EMAS GOLONGAN B40**

**RQ3: BAGAIMANAKAH PEMBANGUNAN MODEL GERONTOLOGI BERDASARKAN SUNNAH NABAWIYYAH PENJAGAAN WARGA EMAS GOLONGAN B40**

SUKSES 8

(LULUS: FRGS 2019)

**CRAFTING A NEW RESEARCH AND  
DEVELOPMENT STRATEGY MODEL TO  
UNDERPIN WASTE AND RESOURCES POLICY  
USING LEAN SIX SIGMA APPROACH**

*(Masdiah Abdul Hamid (UNITEN), Nurul Fadly Habidin)*

**(RD: Social Science \_Sub RD Business\_acc\_fin\_marketing)**

**(RC: Social & Economic Wellbeing)**

**(NPA: Transportation & Mobility)**

**RM58,576**

# SUKSES 8

(LULUS: FRGS 2019)

**RO1: TO INVESTIGATE THE IMPACT OF NATIONAL POLICY OF WASTE AND RESOURCE MANAGEMENT ON R&D ACTIVITIES OF MALAYSIAN WASTE MANAGEMENT INDUSTRIAL FIRM**

**RQ1: HOW THE KNOWLEDGE-BASED APPROACH THROUGH R&D ACTIVITIES HAS BEEN APPLIED IN WASTE AND RESOURCE MANAGEMENT POLICY ?**

**RO2: TO DEVELOP A NEW R&D STRATEGY MODEL ON WASTE AND RESOURCE MANAGEMENT FOR MALAYSIA WASTE MANAGEMENT INDUSTRIAL FIRM**

**RQ2: IS A NEW R&D STRATEGY MODEL ON WASTE AND RESOURCE MANAGEMENT IS A GOOD EVIDENCE FOR WASTE AND RESOURCES POLICY?**

INVESTIGATE

**RO3: TO DETERMINE THE PATTERN OF PROFITABILITY OF MALAYSIAN INDUSTRIAL FIRM THROUGH R&D INVESTMENT ON WASTE AND RESOURCES MANAGEMENT**

**RQ3: WHAT IS THE PATTERN OF PROFITABILITY OF MALAYSIAN INDUSTRIAL FORM THROUGH R&D INVESTMENT ON WASTE AND RESOURCE MANAGEMENT?**

WHY

NECESSARY FOR ANALYSIS ?

SUKSES 9

(LULUS: FRGS 2019)

# DEVELOPMENT AND EVALUATION OF THE HEALTH EDUCATIONAL MODULE (HEM) ON CHILDHOOD OBESITY MANAGEMENT (COM) FOR SCHOOL HEALTH NURSES (SHN)

*(Norimah Said (UiTM), Norazmir Md Nor, Siti Khuzaimah Ahmad  
Shahroni, Siti Sabariah Buhari & Nurul Fadly Habidin)*

**(RD: Social Science \_Sub RD Sociology)**

**(RC: Health)**

**(NPA: Healthcare and Medicine)**

**RM87,500**

# SUKSES 9

(LULUS FRGS 2019)

INVESTIGATE

RO1: TO IDENTIFY THE CURRENT PRACTICE OF HEALTH EDUCATION ON CHILDHOOD OBESITY MANAGEMENT BY SHN IN MALAYSIA

RQ1: WHAT IS THE CURRENT PRACTICE OF HEALTH EDUCATION ON CHILDHOOD OBESITY MANAGEMENT BY SHN IN MALAYSIA?

WHY

NECESSARY FOR ANALYSIS ?

RO2: TO DEVELOP RESEARCH MODULE FOR THE INTERVENTION OF STRUCTURED HEALTH EDUCATION ON THE CHILDHOOD OBESITY MANAGEMENT INTEGRATED WITH THE ROLE OF SHN THAT WILL BE IMPLEMENTED IN THE SCHOOL HEALTH

HOW TO DEVELOP PROGRAM (SHP)

RQ2: DOES THE HEALTH EDUCATION MODULE (HEM) ON CHILDHOOD OBESITY MANAGEMENT (COM) IMPROVE THE KNOWLEDGE, PRACTICE BEHAVIOR, ATTITUDE AND SELF-REGULATION AMONG SCHOOL CHILDREN?

RO3: TO DEVELOP AND VALIDATE THE HEM OF CHILDHOOD OBESITY MANAGEMENT FOR SHN IN MALAYSIA

RQ3: HOW TO DEVELOP THE HEM ON CHILDHOOD OBESITY MANAGEMENT TO IMPROVE THE KNOWLEDGE, PRACTICE BEHAVIOR, ATTITUDE AND SELF REGULATION AMONG SCHOOL CHILDREN?

SUKSES 10

(LULUS: FRGS 2019)

# A FRAMEWORK FOR COUNTERING MEASUREMENT OF CYBERBULLYING USING GROUNDED THEORY METHOD: A MALAYSIA PERSPECTIVE

*(Muruga Chinniah (UiTM), Rabiah Ahmad, Akmal Aini Othman,  
Haslinda Musa & Nurul Fadly Habidin)*

**(RD: Social Science \_Sub RD Communication)**

**(RC: National Security)**

**(NPA: Cyber Security)**

**RM53,200**

# SUKSES 10

(LULUS: FRGS 2019)

**RO1: TO COME OUT WITH THE DEFINITION CRITERIA CYBERBULLYING AND CHARACTERISTICS OF CYBERBULLYING BEHAVIORS IN MALAYSIA PERSPECTIVE**

**RQ1: WHAT ARE THE CYBERBULLYING DEFINITION CRITERIA AND CHARACTERISTICS BEHAVIORS ARE DIFFERENT IN MALAYSIA PERSPECTIVE?**

WHY

NECESSARY FOR ANALYSIS ?

**RO2: TO PROPOSED NEW FRAMEWORK FOR COUNTERING MEASUREMENT OF CYBERBULLYING IN MALAYSIA PERSPECTIVE**

**RQ2: HOW CYBERBULLYING DIFFER FROM TRADITIONAL BULLYING?**

INVESTIGATE

**RO3: TO EXAMINE THE APPLICABLE OF PROPOSAL FRAMEWORK TO MALAYSIA PERSPECTIVE IN TERMS OF FRAMEWORK'S VALID AND USEFULNESS**

**RQ3: HOW DOES THE DETERMINED DEFINITION AND CHARACTERISTICS OF CYBERBULLYING ARE APPLICABLE TO MALAYSIA PERSPECTIVE?**

SUKSES 11

(LULUS: FRGS 2018)

## DEVELOPING LANGKAWI AS A LUXURY DESTINATION BRAND

*(Mohd Razif Jamaluddin, Mohd Hafiz Mohd Hanafiah & Nurul  
Fadly Habidin)*

**(RD: Natural and Cultural Heritage\_Tourism)**

**(NPA: Heritage & Nationhood/Belonging/Harmony/Societal Well-being)**

**RM71,200**



# SUKSES 11

(LULUS: FRGS 2018)

**RO1: TO EXPLORE CRITICAL SUCCESS FACTORS THAT CONTRIBUTE TO LUXURY ISLAND BRANDING FRAMEWORK**

**RQ1: WHAT ARE THE FACTORS THAT CONTRIBUTE TO THE LUXURY ISLAND DESTINATION BRANDING FRAMEWORK?**

**WHY**

**NECESSARY FOR ANALYSIS ?**

**RO2: TO RECOGNIZE THE MOST IMPORTANT MACROECONOMICS FACTORS THAT CONTRIBUTE THE SPIOVER EFFECT TO THE LOCAL ECONOMY**

**RQ2: WHAT THE MOST CRITICAL MACROECONOMIC FACTORS THAT CONTRIBUTE TO THE SPIOVER EFFECT TO LOCAL ECONOMY?**

**INVESTIGATE**

**NECESSARY FOR ANALYSIS ?**

**RO3: TO IDENTIFY THE ESSENTIAL MICROECONOMIC FACTORS THAT CAN OFFER SPIN-OFF EFFECT OF LUXURY ISLAND DESTINATION BRANDING**

**RQ3a: WHY IS IT IMPORTANT TO INTEGRATE MACROECONOMIC AND MICROECONOMICS VARIABLE IN LUXURY ISLAND BRANDING?**

**RQ3b: HOW CAN THE IMPACT OF THE SPIN-OFF OF LUXURY ISLAND DESTINATION BRANDING RE-GENERATE LOCAL ECONOMY?**

**RQ3c: HOW CAN A COMPREHENSIVE LUXURY ISLAND DESTINATION BRANDING BENEFIT ISLANDS IN MALAYSIA?**

SUKSES 12

(LULUS: FRGS 2018)

## MODEL TAHFIZPRENEUR TADBIR URUS TAHFIZ SWASTA DI MALAYSIA

*(Norazmi Anas, Muhammad Hafiz Saleh, Adnan Mohamed  
Yusoff, Norzaidi Mohd Daud, Zuriani Yaacob & Nurul Fadly  
Habidin)*

**(RD: Arts and Applied Arts\_Religion)**

**(NPA: Heritage & Nationhood/Belonging/Harmony/Societal Well-being)**

**RM61,000**

# SUKSES 12

(LULUS: FRGS 2018)

**RO1: MENGHURAIKAN KELEMAHAN-KEKUATAN TADBIR URUS TAHFIZ SWASTA DI MALAYSIA**

**RQ1: BAGAIMANA HURAIAN KELEMAHAN-KEKUATAN PENGURUSAN TAHFIZ SWASTA DI MALAYSIA PERLU DIHURAIKAN?**

**RO2: MENGANALISIS ELEMEN KEUSAHAWANAN YANG SESUAI DITERAPKAN DALAM TADBIR URUS TAHFIZ SWASTA DI MALAYSIA**

**RQ2: BAGAIMANA ELEMEN KEUSAHAWANAN INI MAMPU MENTRANFORMASI TADBIR URUS TAHFIZ SWASTA DI MALAYSIA ?**

**RO3: MEMBANGUNKAN MODEL TAHFIZPRENEUR SEBAGAI TRANFORMASI TADBIR URUS TAHFIZ SWASTA BERTERASKAN KEUSAHAWANAN DI MALAYSIA?**

**RQ3: BAGAIMANA PEMBANGUNAN TAHFIZPRENEUR MAMPU MENTRANFORMASI TADBIR URUS TAHFIZ SWASTA BERTERASKAN KEUSAHAWANAN DI MALAYSIA?**

SUKSES 13

(LULUS: FRGS 2018)

**TRANSFORMING UNIVERSITY SOCIAL  
RESPONSIBILITY (USR) MECHANISMS TO  
STRENGTHEN HIGHER EDUCATION ROLES IN  
MEETING THE FOURTH INDUSTRIAL  
REVOLUTION (4IR) CHALLENGES**

*(Anis Suriati Ahmad, Rohaila Yusof, Zuraidah Ismail, Noor Lela  
Ahmad, Anuar Sarun & Nurul Fadly Habidin)*

**(RD: Social Science\_Business)**

**(NPA: Heritage & Nationhood/Belonging/Harmony/Societal Well-being)**

**RM50,950**

SUKSES 13

(LULUS: FRGS 2018)

**RO1: TO DEVELOP AN APPROPRIATE UNIVERSITY SOCIAL RESPONSIBILITY (USR) MECHANISM FOR HIGHER EDUCATION INSTITUTION IN MALAYSIA**

HOW TO DEVELOP

**RQ1: WHAT ARE THE APPROPRIATE UNIVERSITY SOCIAL RESPONSIBILITY MECHANISM FOR HIGHER EDUCATION INSTITUTIONS IN MALAYSIA?**

**RO2: TO GAIN INSIGHTS ABOUT MULTI-STAKEHOLDERS VIEWPOINTS ON USR AND TO SOLICIT THEIR VIEWS ON USR INITIATIVES AND ENGAGEMENT, PARTICULAR IN THE FOURTH INDUSTRIAL REVOLUTION ERA**

**RQ2: HOW DO MALAYSIA MULTI-STAKEHOLDER CONCEPTUALIZE USR, PARTICULAR IN THE FOURTH INDUSTRIAL REVOLUTION ERA?**

SUKSES 14

(LULUS: FRGS 2017)

**TRANSFORMASI PENGURUSAN SUMBER DAN  
IDENTITI DALAM MEREALISASIKAN MODEL  
MASJIDPRENEUR DI PERAK**

*(Mohd Yahya Mohd Hussin, Fidlizan Muhammad, Nor Azrin Md  
Latip, Azila Abdul Razak, Mad Ithnin Salleh & Nurul Fadly  
Habidin)*

**(RD: Social Science\_Management (OB\_Entrepreneurship)  
(NPA: Heritage & Nationhood/Belonging/Harmony/Societal Well-being)**

**RM56,000**

# SUKSES 14

(LULUS: FRGS 2017)

## MEMBINA

RO1: MENGUMPUL DAN MEMBINA PROFIL INSTITUSI MASJID YANG KOMPREHENSIF DARI ASPEK PENTADBIRAN, KEWANGAN DAN AKTIVITI KEUSAHAWANAN

RQ1: ADAKAH WUJUD PROFIL INSTITUSI MASJID YANG KOMPREHENSIF DARI ASPEK PENTADBIRAN KEWANGAN DAN AKTIVITI KEWANGAN?

MENYIASAT

BAGAIMANA PEMBINAAN

RO2: MENGENALPASTI CIRI-CIRI PERIBADI KEPIMPINAN MASJID DAN CIRI-CIRI ORGANISASI MASJID

RQ2: APAKAH CIRI-CIRI PERIBADI KEPIMPINAN MASJID DAN CIRI-CIRI ORGANISASI MASJID DI NEGERI PERAK? →

PERLU DIANALISIS?

MENGAPAKAH

RO3: MENGEMUKAKAN CADANGAN PEMBENTUKAN MODEL MASJIDPRENEUR YANG KOMPREHENSIF, BERDAYA SAING DAN BERNILAI TINGGI UNTUK MEREALISASIKAN PERANAN MASJID SEBAGAI INSTITUSI KEUSAHAWANAN ISLAM

RQ3: ADAKAH TERDAPAT HUBUNGAN DI ANTARA CIRI-CIRI KEPIMPINAN, CIRI-CIRI ORGANISASI DAN ORIENTASI STRATEGIK ORGANISASI MASJID TERHADAP PERLAKSANAAN AKTIVITI KEUSAHAWANAN EKONOMI MASJID?

BAGAIMANAKAH PEMBENTUKANAN MODEL

SUKSES 15

(LULUS: FRGS 2017)

## LEAN HEALTHCARE PERFORMANCE IMPROVEMENT (LHPI) TOOL FOR MALAYSIAN HEALTHCARE INDUSTRY

*(Nurul Fadly Habidin, Mohamed Nor Azhari Azman, Norimah Rambeli, Fidlizan Muhammad, Zainizam Zakariya, Nor Azrin Md Latip, Mohd Yahya Mohd Hussin, Mad Ithnin Salleh, Zuraidah Zainol, Sharul Effendy Janudin)*

**(RD: Social Science\_Management\_Business)**

**(NPA: Healthcare and Medicine)**

**RM48,000**



# SUKSES 15

(LULUS: FRGS 2017)

INVESTIGATE

RO1: TO **IDENTIFY** AND **ASSESS** THE LEAN HEALTHCARE PRACTICES CONSTRUCT, QUALITY IMPROVEMENT EFFORTS, AND PERFORMANCE IMPROVEMENT MEASURES FOR MALAYSIAN HEALTHCARE INDUSTRY

WHY

RQ1: **DOES** QUALITY IMPROVEMENT EFFORT EFFECT THE RELATIONSHIP LEAN HEALTHCARE PRACTICES AND PERFORMANCE IMPROVEMENT MEASUREMENT?

NECESSARY FOR ANALYSIS ?

RO2: TO **DEVELOP** AND **VALIDATE** A TOOL TO ASSESS LEAN HEALTHCARE PRACTICES CONSTRUCTS. QUALITY IMPROVEMENT EFFORT AND PERFORMANCE IMPROVEMENT MEASUREMENT FOR MALAYSIAN HEALTHCARE INDUSTRY

RQ 2: HOW TO DEVELOP AND VALIDATE LHPI TO ASSESS LEAN HEALTHCARE PRACTICES, QUALITY IMPROVEMENT EFFORTS, AND PERFORMANCE IMPROVEMENT MEASUREMENT IN MALAYSIAN HEALTHCARE INDUSTRY?

BUDGET  
(RM250K)

1. **DETAIL & ITEMIZED**
2. **CORRECT ITEM UNDER EACH VOT**
3. **SHOW CONVINCING CALCULATION**
4. **TALLY WITH THE RESEARCH METHODOLOGY AND ACTIVITIES**
5. **IN LINE WITH THE RESPECTIVE GRANT GUIDELINE**
6. **NEVER EXCEED THE CEILING & CAPPING**

# BUDGET (RM250K)

- 1. GRA** (PhD: 2,500, Master: 2,000, Tiada potongan KWSP & PERKESO)
- 2. PERJALANAN** (tidak boleh melebihi 40%, Persidangan luar negara dibenarkan adalah 20% dari vot ini)
- 3. SEWAAN** (Bangunan, peralatan & pengangkutan: justifikasi & sebut harga)
- 4. BEKALAN** (Berkaitan Penyelidikan sahaja: justifikasi & sebut harga)
- 5. BAIK PULIH KECIL & UBAHSUAI**  
(Bangunan, makmal, peralatan atau lain-lain berkaitan dlm tempoh penyelidikan sahaja)
- 6. PERKHIDMATAN IKHTISAS**  
(Yuran persidangan, percetakan, hospitaliti, honorium, perkhidmatan professional, konsultasi, pemprosesan data dan lain-lain berkaitan, {Khas/Belanja pakai habis: hadiri kursus/program sangkutan jangka pendek (2 minggu - 3 bulan: < 5%)
- 7. AKSESORI & PERALATAN**  
(Pembelian peralatan khas & aksesori (termasuk meningkatkan keupayaan peralatan sedia ada): justifikasi, sebut harga, Tidak melebihi 40%)

## BUDGET (Seminar)

**\*Keseluruhan (2K)**  
**Tahun 1, Peringkat**  
**Nasional (RM500)**  
**Tahun 2, Peringkat**  
**Antarabangsa (RM1500)**

# 9 BUDGET (TAK BOLEH)

1. **YURAN KEAHLIAN** (Badan professional/ Ikhtisas)
2. **PEMBELIAN BAHAN RUJUKAN**
3. **ICT** (Telefon, computer, mesin pencetak, katrij)
4. **BIL UTILITI / TELEKOMUNIKASI**
5. **PERALATAN PEJABAT**  
(ALAT TULIS, KERTAS, KERUSI, MEJA)
6. **PERALATAN STORAN**  
(PENDRIVE, HARD DISK, CD)
7. **SEWAAN RUANG/FASILITI DI INSTITUSI**
8. **PEMFAILAN HARTA INTELEK**
9. **LAIN-LAIN YANG TIDAK BERKAITAN**

11  
PENILAIAN  
FRGS

**1. TITLE (5%)**

(Specific in nature reflecting fundamental issues to be resolve/ novelty, brief and reflect the content of proposal)

**2. EXECUTIVE SUMMARY (10%)**

(Problem Statement, objective, methodology, expected output/outcome/implication, significant of output)

**3. RESEARCH BACKGROUND (15%)**

(Elaboration of title, clarify of problem statement and RQ/ Hypothesis/ Theoretical Framework (if applicable), cite last 5 years, in line with government policy, national agenda and global aspiration (can help alleviate problem at local, national & world level))

11  
PENILAIAN  
FRGS

**4. OBJECTIVE (12%)**

(Specific, Measurable, Achievable, Realistic, & Timeliness (SMART), relate to problem statement / RQ)

**5. METHODOLOGY (25%)**

(Clear and detail description of methodology (may consist of field work, sampling technique, interview session, analysis, lab work different phases, experimental protocol, statistical analysis, able to achieve research objective, include research design, flow chart, Gantt chart, activities and milestones)

**6. EXPECTED RESULT (10%)**

(New theory/ finding/ knowledge, publication in indexed journal, IP, PhD @ Master, impact on society, economy & nation)

11  
PENILAIAN  
FRGS

**7. TRACK RECORD & COMPOSITION TEAM (5%)**

(Evidence of previous successful research projects, Qualification & rank of researchers, well balanced team)

**8. QUALITY OF PROPOSAL (10%)**

(Meticulous, proper use language (grammar, spelling, sentences construction), good formatting and presenting)

**9. ELEMENTS OF FRGS CRITERIA (5%)**

(Novel, cutting edge, high impact)



11  
PENILAIAN  
FRGS

**10. TRANSLATIONAL POTENTIAL (3%)**

**11. ADDITIONAL INFORMATION ( Bonus 5%)**  
(Patent Search, Collaborative & Risk Management)

RINGKASAN  
EKSEKUTIF

**CONTOH**

***EXECUTIVE SUMMARY “10%”***

## C(viii). Executive Summary of Research Proposal (10%)

(Please include the **problem statement**, **objectives**, **research methodology**, **expected output/outcomes/implication**, and **significance of output from the research project**)

Perkembangan penyelidikan Negara di kalangan akademik di IPTA terus meningkat dari semasa ke semasa. Peningkatan dalam kuantiti penyelidikan, harta intelek sering dikaitkan sebagai usaha kesedaran dan pembudayaan penyelidikan dikalangan akademik. Walaupun ianya merupakan proses galakan dalam pembangunan penyelidikan, namun perbelanjaan dana penyelidikan dan harta intelek ini turut perlu diterjemahkan dalam pertumbuhan ekonomi dan perlindungan sosial (Perdana Menteri Tun Dr Mahathir Mohamad, 2019) yang memberi limpahan kesejahteraan bersama antara rantai industri dan masyarakat. Perkomersialan atas pelaburan negara dalam penyelidikan ini memerlukan konsep pengurusan lean scorecard yang bersinergi bersama keusahawanan dinamik bagi mengelakkan pembaziran, peningkatan kecekapan, pertumbuhan inovasi dan penjana hasil perkomersialan.

Bagi merialisasikan aspirasi Hala tuju yang holistik dan sistematik perlu diperkasakan oleh IPTA, oleh itu, objektif kajian ialah (i) membangunkan dan mengesahkan model pengkomersilan harta intelek dan penyelidikan akademik berdasarkan sinergi leanpreneur scorecard, (ii) menyiasat kesan model pengkomersilan harta intelek dan penyelidikan akademik berdasarkan sinergi leanpreneur scorecard terhadap prestasi dan (iii) membina sistem berasaskan web pengkomersilan harta intelek dan penyelidikan akademik berdasarkan sinergi leanpreneur scorecard.

Kajian ini menggunakan teknik penyelidikan gabungan (Mixed Method). Bagi mencapai objektif utama (fasa utama: 1a), teknik penyelidikan kualitatif akan digunakan dengan (menemubual akademik IPTA dan analisis data Thematic) dan seterusnya (fasa utama: 1b) untuk pengesahan model yang dibina akan disahkan melalui teknik kuantitatif (soal selidik dan analisis data Structural Equation Modelling). Fasa kedua, sistem berasaskan web akan dibangunkan dengan menggunakan perisian Adobe Dreamweaver CC 2018, XAMPP v3.2.2 dan Corel DRAW X5.

Kajian pembangunan model baharu dan sistem scorecard yang memfokuskan pengkomersialan penyelidikan dan inovasi akademik IPTA ini mampu merealisasikan Model Ekonomi Baru (MEB) dalam memperkasakan keusahawanan dan inovasi bagi meningkatkan kesejahteraan Rakyat serta memuhi hasrat Dasar Keusahawanan Negara (DKN 2030) iaitu mewujudkan ekosistem keusahawanan yang holistik dan kondusif bagi menyokong agenda pembangunan sosioekonomi Malaysia yang inklusif, seimbang dan Mapan.

LATAR  
BELAKANG

**CONTOH**

***LATAR BELAKANG “15%”***  
***(Rajah)***

# DASAR KEUSAHAWANAN NASIONAL

## DKN 2030

Dasar Keusahawanan Nasional  
Malaysia Negara Keusahawanan Unggul 2030

Strategi jangka panjang negara dalam menjadikan Malaysia sebagai sebuah negara keusahawanan yang unggul menjelang tahun 2030

Dasar ini akan bertindak sebagai pemangkin kepada pencapaian Malaysia sebagai sebuah negara yang bersatu, makmur dan bermaruah serta terus membangun secara mapan dengan pengagihan ekonomi yang lebih adil & inklusif, seterusnya muncul sebagai paksi ekonomi Asia

Strategi yang dirangka dalam Dasar Keusahawanan Negara adalah seiring & berupaya memenuhi cita-cita negara untuk mencapai **Wawasan Kemakmuran Bersama**

## OBJEKTIF UTAMA

- 1 Mewujudkan ekosistem keusahawanan yang holistik & kondusif bagi menyokong agenda pembangunan ekonomi negara yang inklusif, seimbang & mapan
- 2 Membentuk masyarakat Malaysia yang berpemikiran & berbudaya keusahawanan
- 3 Meningkatkan bilangan usahawan yang berkualiti, berdaya maju, berdaya tahan, berfikiran global & kompetitif
- 4 Mempertingkatkan keupayaan usahawan tempatan dan industri kecil & sederhana
- 5 Menjadikan keusahawanan sebagai kerjaya pilihan

## 6 TERAS STRATEGIK



Membudayakan keusahawanan dalam segenap lapisan masyarakat



Mengoptimumkan sistem kawal selia & capaian kepada pembiayaan kewangan



Merangsang pembangunan keusahawanan bersepadu & holistik



Memacu pertumbuhan ekonomi melalui perusahaan berteraskan inovasi



Memantapkan keupayaan & prestasi perusahaan mikro, kecil & sederhana



Mengantarabangsakan perusahaan berpertumbuhan tinggi

# PROGRAM PENDIDIKAN

TEKNIKAL DAN LATIHAN VOKASIONAL (TVET)



KEMENTERIAN  
PENDIDIKAN  
MALAYSIA

BELANJAWAN  
**2020**

**RM50  
juta**

melalui Perbadanan  
Tabung Pembangunan  
Kemahiran (PTPK) bagi  
membiayai kursus TVET  
yang dilaksanakan oleh  
Pusat Pembangunan  
Kemahiran Negeri  
(SSDC)

Menggalakkan  
kerjasama industri dan  
**Institusi Latihan  
Kemahiran Awam  
(ILKA)**

Rangkaian Universiti Teknikal  
Malaysia (MTUN) akan  
**menawarkan kursus ijazah  
untuk pelatih lepasan Kolej  
Vokasional**

Latihan untuk  
lebih 3,000 belia  
dari keluarga  
berpendapatan  
rendah

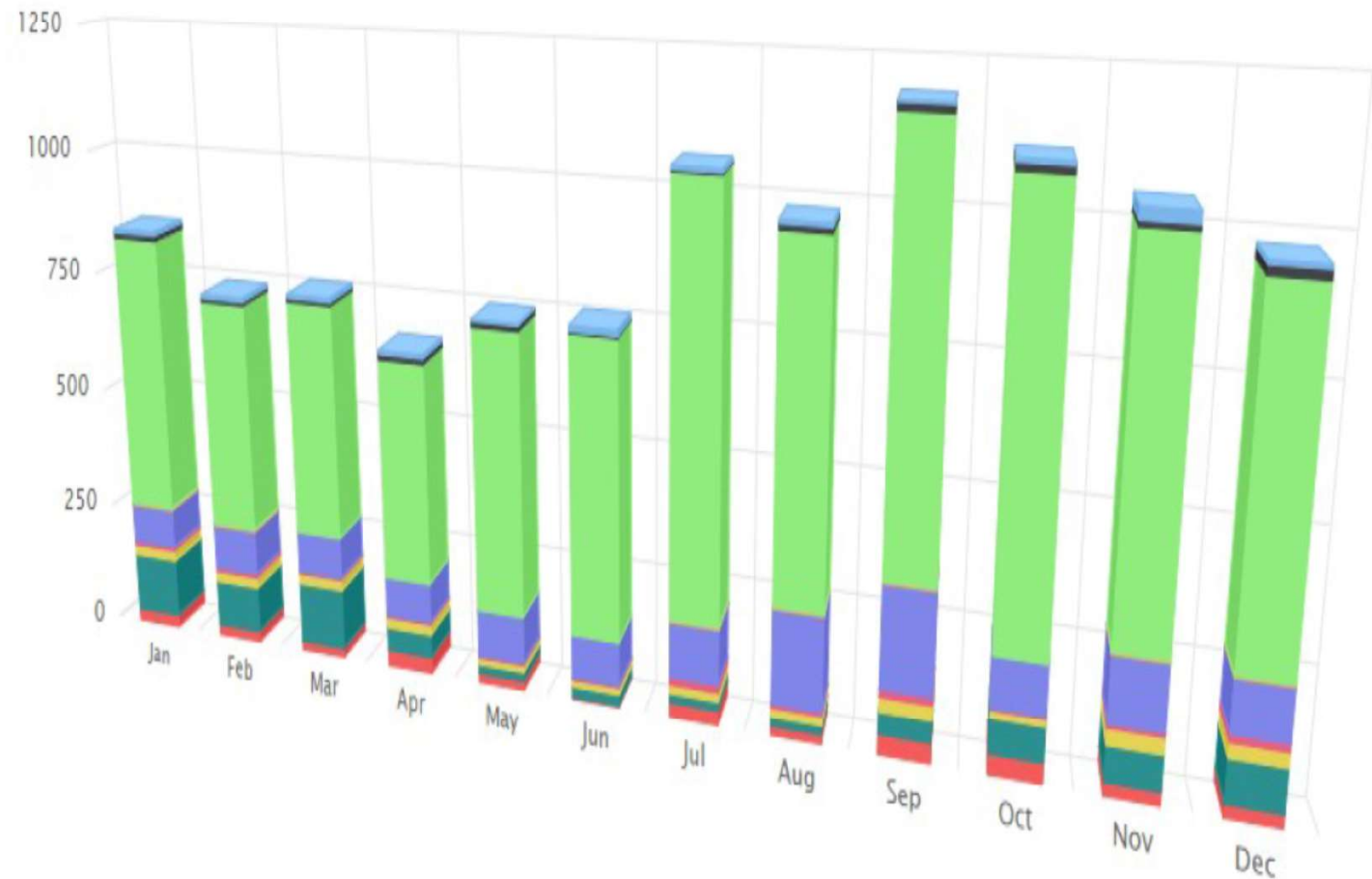
**RM30  
juta**



KemPendidikan

Figure 1 - Cases of cyber security incidents in Malaysia year 2019 (Cyber Security Malaysia, 2020)

Reported Incidents based on General Incident Classification Statistics 2019



- Intrusion Attempt
- Spam
- Fraud
- Denial of Service
- Intrusion
- Vulnerabilities Report
- Cyber Harassment
- Malicious Codes
- Content Related

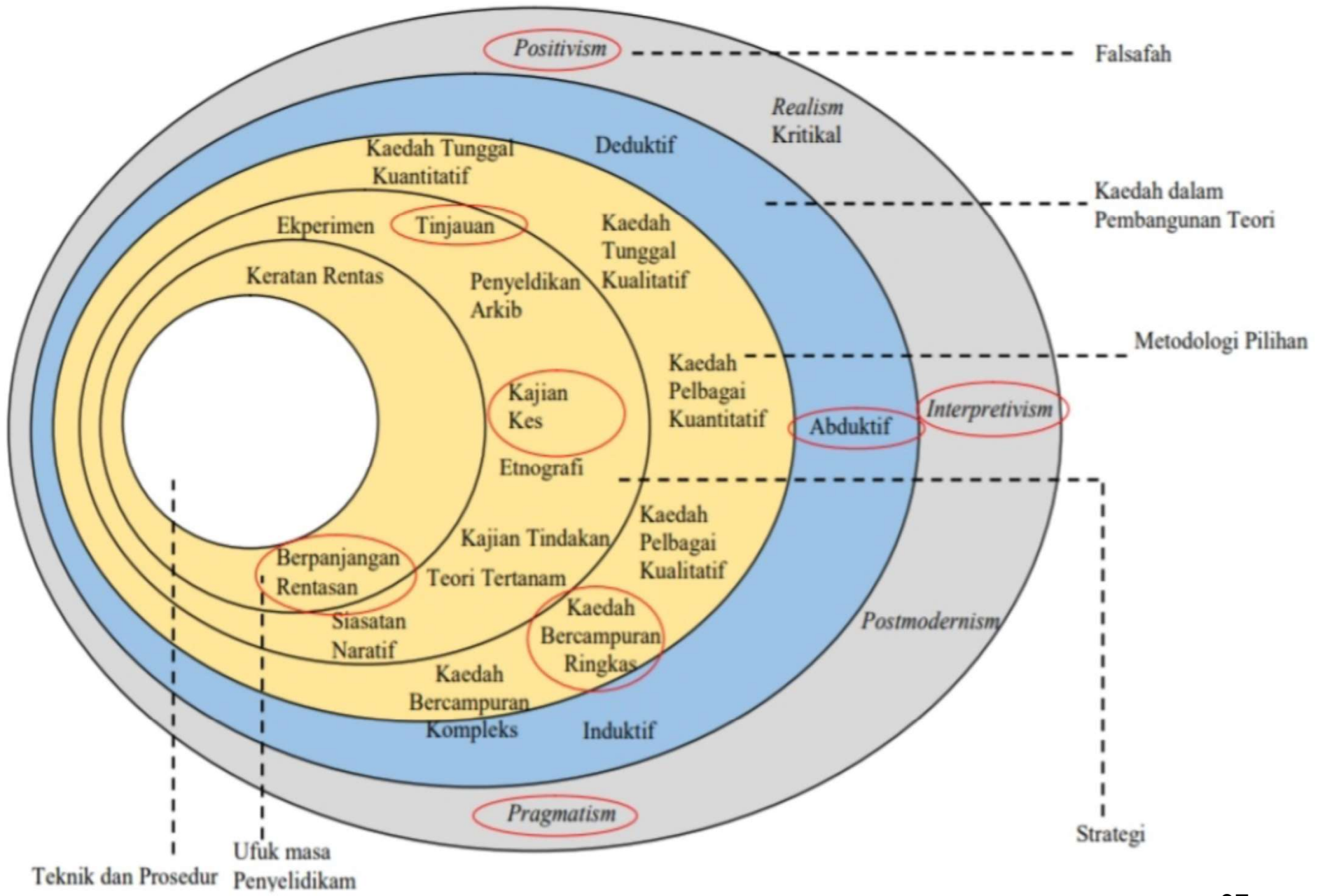
METODOLOGI

CONTOH

***“METODOLOGI “25%”***

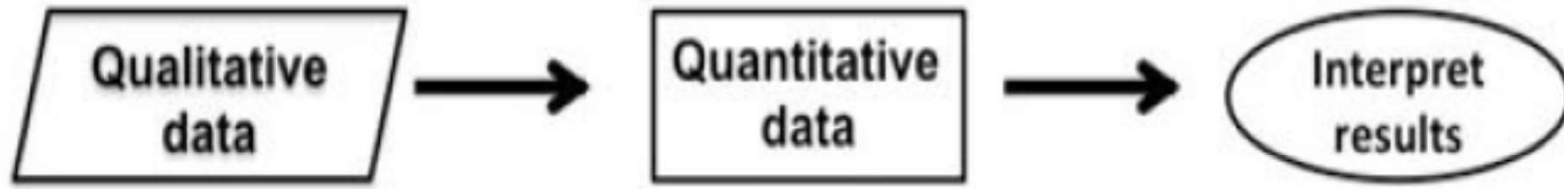
***(RAJAH & JADUAL)***



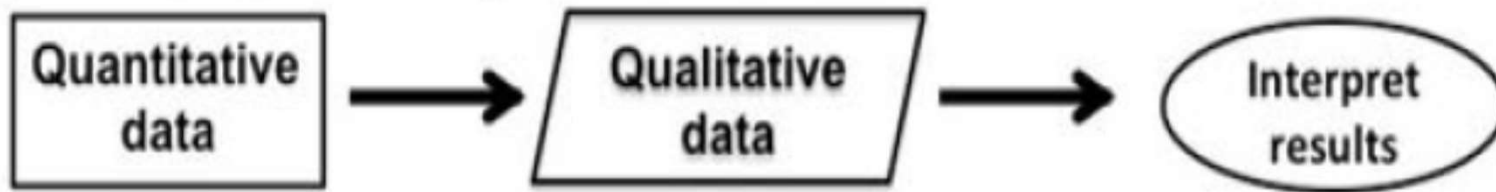


Rajah 1 Bawang (Onion) Penyelidikan

# Sequential designs

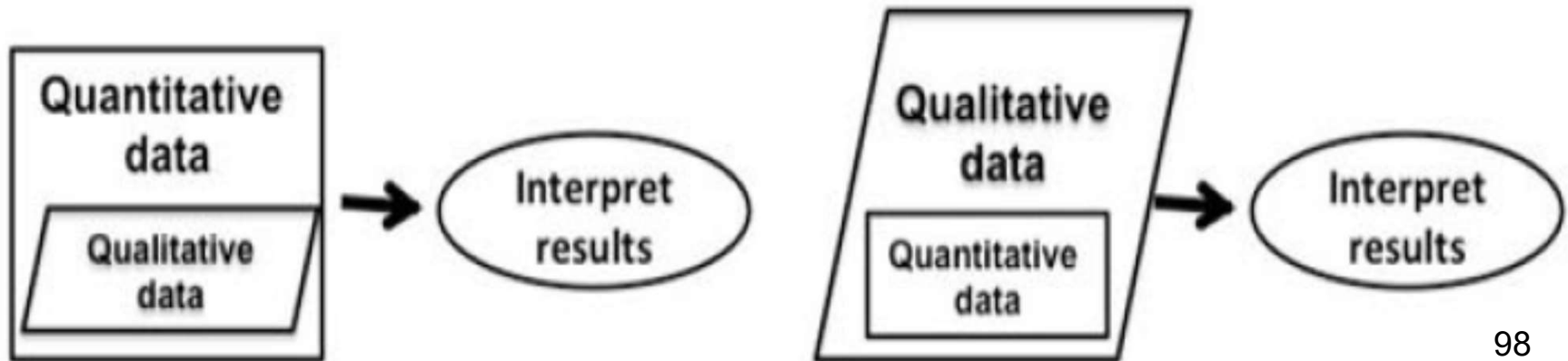


exploratory sequential design



exploratory sequential design

# Concurrent designs



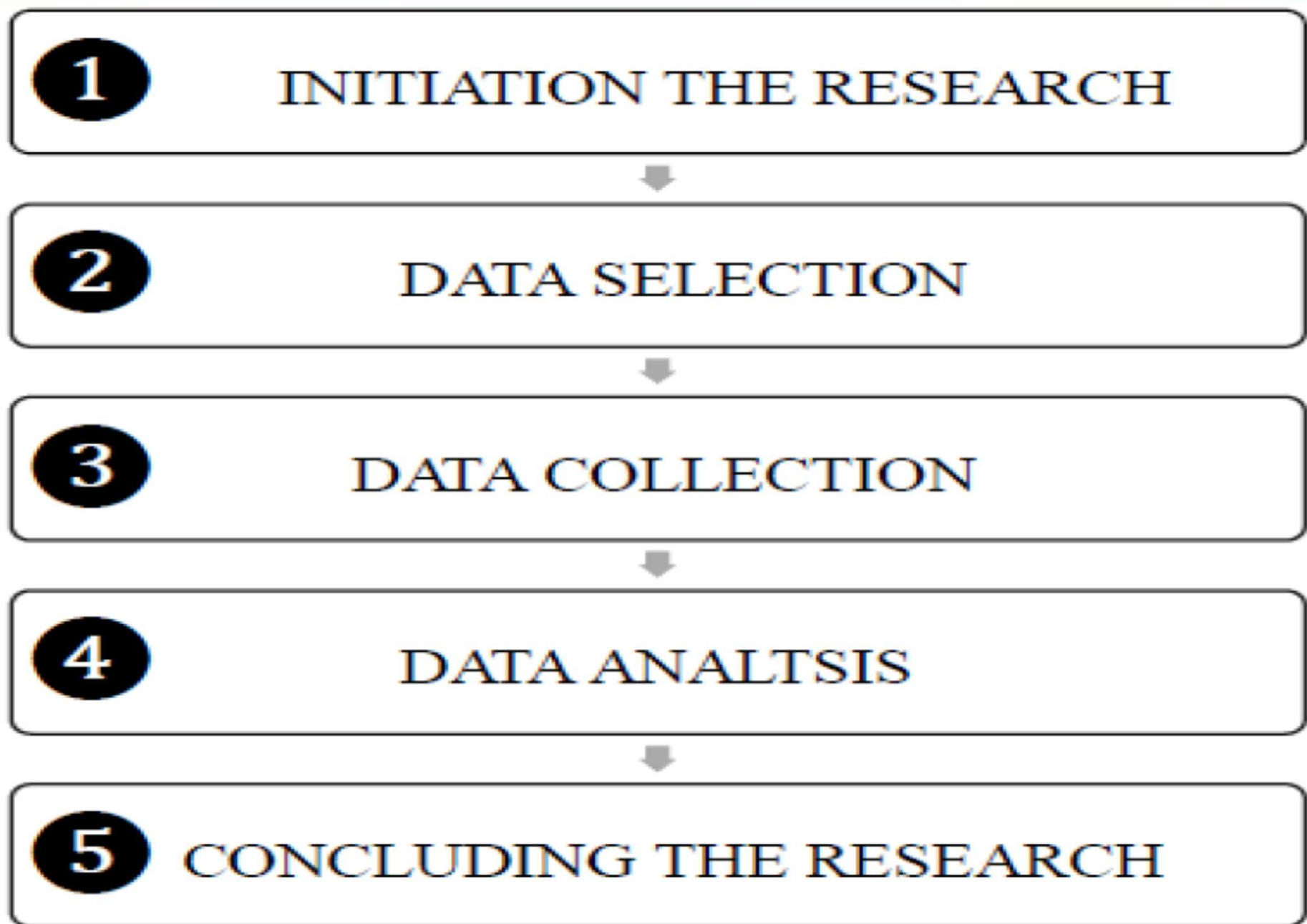


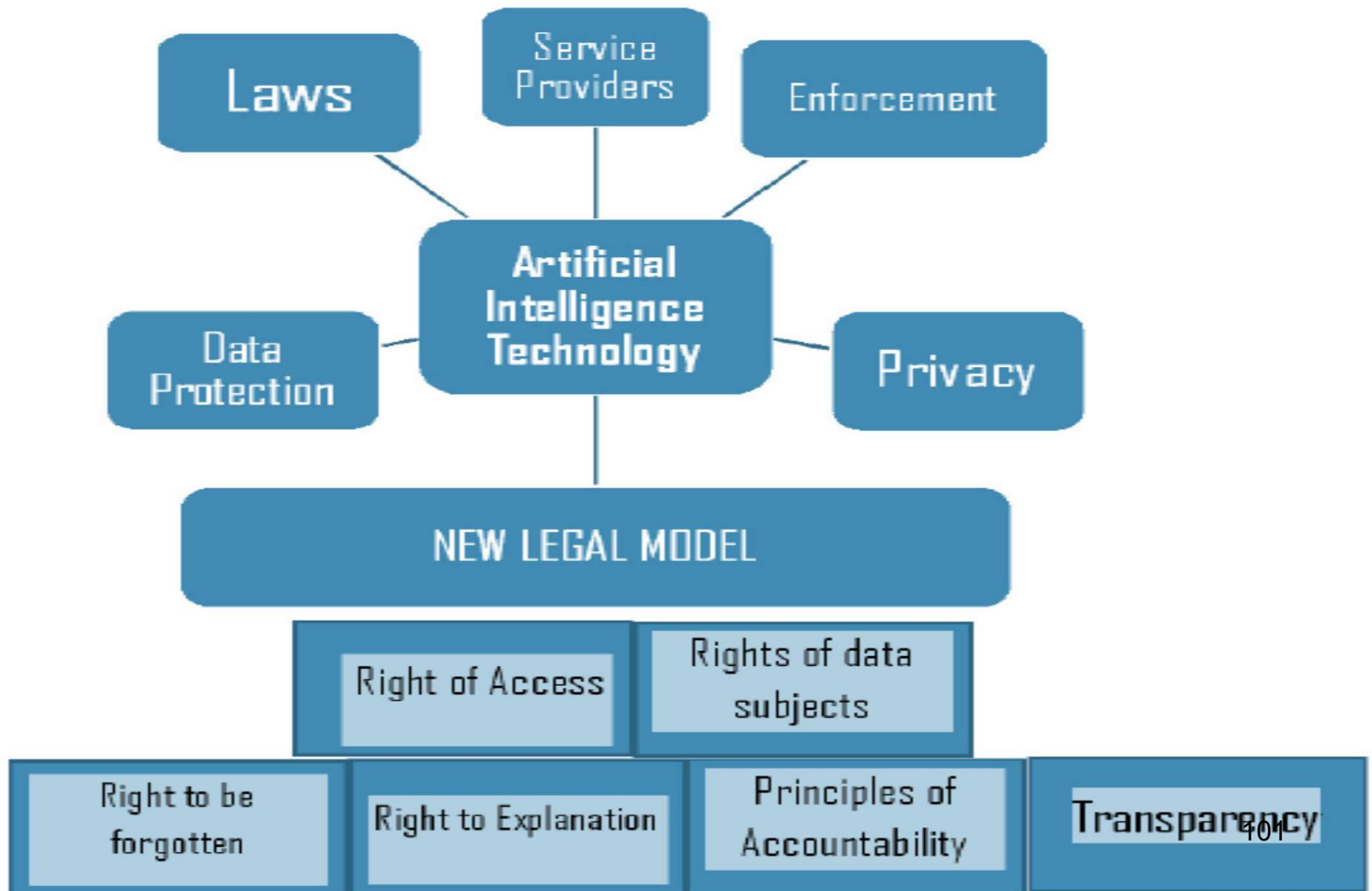
Figure 1: The process of the grounded theory – adapted from Egan (2002)

No	Lean security cycle	Description
1	Prevention	What are the policies, standards, programs, processes, and procedures that we have in place? Do they help our people make good decisions with regard to information security while still allowing them to work at the pace required by the business?
2	Detection	How much information are we covering? How good are we at discovering vulnerabilities? How many do we have? What is the rate of change? How do we classify them based on risk?
3	Recovery	What is our mean time to recovery? What percentage of events are dealt with in a timely and acceptable manner? How long does it take us to respond to vulnerabilities once we know about them?
4	Response	How long does it take us to identify the root causes of known vulnerabilities and fix them? Resolutions are generally more reflective, planned and deliberate than responses.



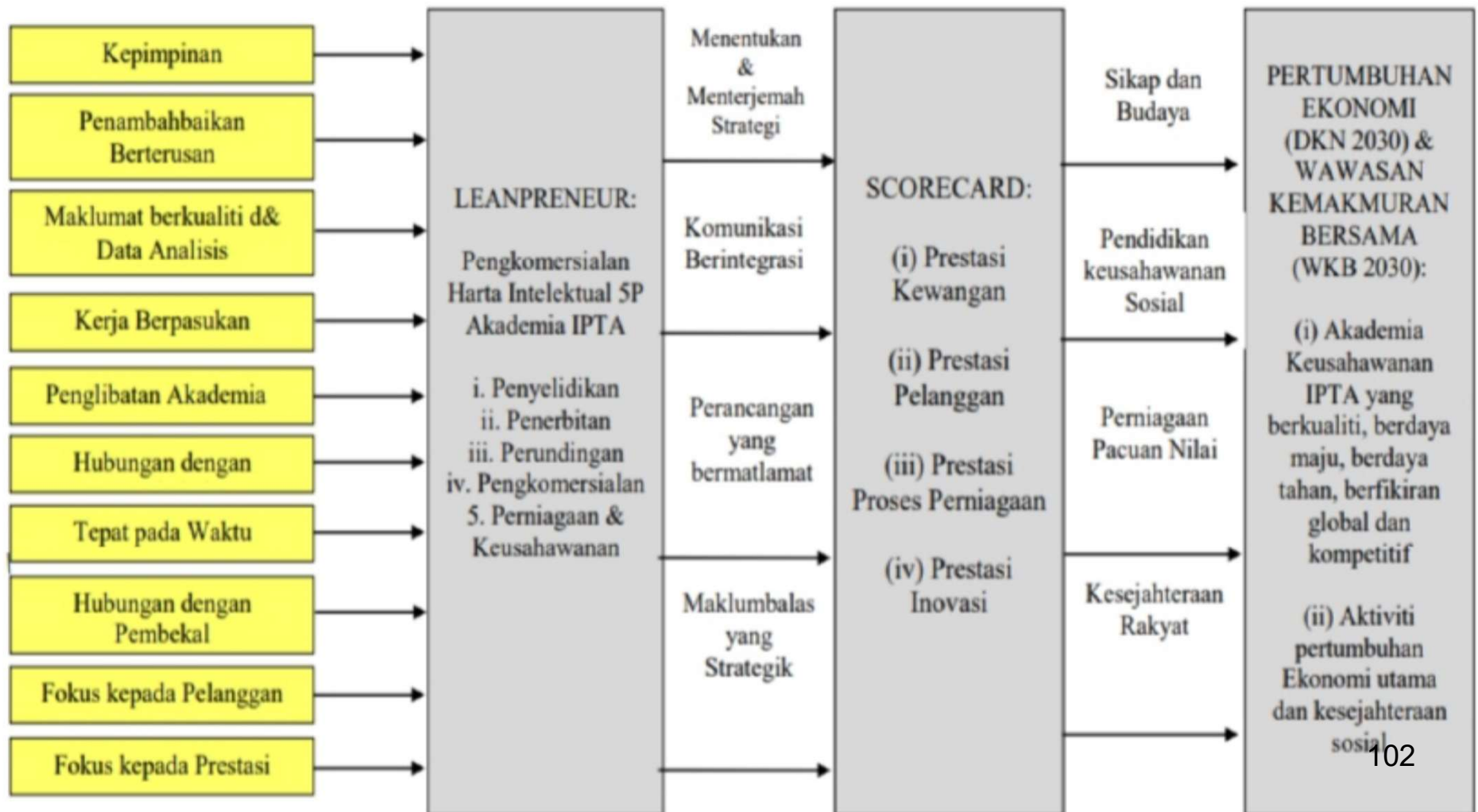
Table 1: Brief explanation of the lean security cycle (Elliman, 2017)

# CONCEPTUAL FRAMEWORK OF NEW LEGAL MODEL FOR PRIVACY AND DATA PROTECTION IN ARTIFICIAL INTELLIGENCE TECHNOLOGY



*Model Pengkomersialan Harta Intelektual dan Penyelidikan Akademia Berdasarkan Sinergi Leanpreneur dalam Memacu Pertumbuhan Ekonomi dan Kemakmuran Bersama*

**MODEL SINERGI LEANPRENEUR SCORECARD**



		Carta Alir Proses		Rekabentuk Kajian	Instrumen	
Fasa 1	Tahap 1	Menghuraikan masalah/kekangan penjagaan warga emas golongan B40	Sorotan Literatur	Kajian Kes (Kualitatif)	Temubual Semi-Struktur	Objektif 1
	Tahap 2		Temubual pihak berkepentingan warga emas di Malaysia (KPWKM, SUHAKAM, ISM & JKM)			
Fasa 2	Tahap 3	Menganalisis elemen/aspek penjagaan warga emas golongan B40 berdasarkan Sunnah Nabawiyyah	Temubual pakar bidang dari institusi terpilih di Malaysia	Kajian Kes (Kualitatif)	Temubual Semi-Struktur	Objektif 2
	Tahap 4		Analisis Data Temubual (Perisian Atlas ti8) & Analisis Tematik (Kutub al-Sittah & Sirah Nabawiyyah Ibnu Hisyam)			
Fasa 3	Tahap 5	Membangunkan model gerontologi berdasarkan sunnah nabawiyyah penjagaan warga emas golongan B40	<b>MODEL GERONTOLOGI SUNNAH NABAWIYYAH PENJAGAAN WARGA EMAS GOLONGAN B40</b>	Pengesahan Pihak Berautoriti (JAKIM & KPWKM)		Objektif 3

BUDGET

CONTOH

***“BUDGET”***

***(BUDGET TYPE & QUOTATION)***



## E. Budget

Budget Type	Description	Year 1	Year 2	Grand Total
11000 - Salary and Wages	Pembantu Penyelidik GRA 1 Master (1 x RM1800 x 24 Bulan)	21600	21600	43200
<b>Vot-Total</b>		<b>21600</b>	<b>21600</b>	<b>43200</b>
21000 - Travelling and Transportation Local	<b>Pengumpulan Data Kualitatif</b> 1. UMP =RM1200 (kilometer, elaun, makan dan penginapan) x 2 hala 2. UPM =RM350 (kilometer, elaun, makan dan penginapan) x 2 hala 3. UM = RM300 (Kilometer, elaun, makan dan penginapan) x 2 hala	3700		3700
	<b>Pengumpulan Data Kuantitatif: Universiti Penyelidikan</b> 1. UKM =RM400 (kilometer, elaun, makan dan penginapan) X 2 hala 2. USM =RM900 (kilometer, elaun, makan dan penginapan) X 2 hala 3. UTM = RM900 (Kilometer, elaun makan dan penginapan) x 2 hala		4400	4400
	<b>Pengumpulan Data Kuantitatif: Universiti Fokus</b> 1. USIM =RM450 (kilometer, elaun, makan dan penginapan) x 2 hala 2. UITM =RM400 (kilometer, elaun, makan dan penginapan) x 2 hala 2. UITM		1700	1700
	<b>Pengumpulan Data Kuantitatif: Universiti Komprehensif</b> 1. UMT =RM1000 (kilometer, elaun, makan dan perjalanan) x 2 hala 2. UUM =RM1200 (kilometer, elaun, makan dan perjalanan) x 2 hala		4400	4400
	menghadiri pembentangan seminar pertama (Tempatan) =RM900 (kilometer, elaun, makan dan penginapan) x 2 hala	900		900
	menghadiri pembentangan seminar Kedua (Antarabangsa) =RM900 (kilometer, elaun, makan dan penginapan) x 2 hala		900	900
<b>Sub-Total</b>		<b>4600</b>	<b>11400</b>	<b>16000</b>

<b>Field work</b>	Sesi Temubual Pihak Berkepentingan Pelajar Siswazah PhD (Universiti Penyelidikan dan Kluster)	3500		<b>3500</b>
	Sesi Temubual Pakar Bidang dari Institusi terpilih di Malaysia (Univeversiti Awam)	1500	1500	<b>3000</b>
	Sesi Pengesahan Pakar (KPM, MOSTI, MDEC)	500	1000	<b>1500</b>
<b>29000 - Professional Services</b>			1000	<b>1000</b>
<b>Services/Consultancy</b>	Proofreading (2 artikel x RM500)			
	Honorarium Temubual dan Panel Pakar	2000	1000	<b>3000</b>
	Cetakan progres Penyelidikan dan laporan keperluan rakan kerjasama penyelidik. (8 x RM50)		400	<b>400</b>
	Penerbitan Pertama (Jurnal Berindeks WOS/SCOPUS)	2250		<b>2250</b>
	Penerbitan Kedua (Jurnal Berindeks WOS/SCOPUS)		2250	<b>2250</b>
	Fotokopi (bahan penyelidikan, borang temubual, borang pengesahan pakar dan borang soal selidik)	1000	1500	<b>2500</b>
	yuran Persidangan pertama (Nasional)	500		<b>500</b>
	Yuran Persidangan Kedua (Antarabangsa)		1500	<b>1500</b>
	Konsultan Pakar untuk menguji ketahanan, keselamatan dan mengesahkan untuk membangunkan Sistem Pengkomersialan harta intelek dan penyelidikan akademik berdasarkan sinergi lean scorecard		5000	<b>5000</b>
	<b>Sub-Total</b>	<b>5750</b>	<b>12650</b>	<b>18400</b>
<b>Short term course</b>				<b>0</b>
	<b>Sub-Total</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Vot-Total</b>		<b>5750</b>	<b>12650</b>	<b>18400</b>
<b>35000 - Accessories and Equipment</b>				<b>0</b>
	<b>Vot-Total</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Grand Total</b>		<b>37450</b>	<b>48150</b>	<b>(100.00%) 85600</b>

**CONTOH SEBUT HARGA**

## Price quote

**Reference number:** 165878803  
(required for all inquiries)

**Date:** 2/3/2019

### PRODUCTS

#	Product name	Delivery	Qty.	Price
1	ATLAS.ti Educational Single User License (PC + Mac) <small>To be used by one user at any given time.</small>	electronic	1	MYR 2,549.40
			<b>Total:</b>	<b>MYR 2,549.40</b>

This price quote is valid for 60 days.

### ADDITIONAL INFORMATION

107

Licensee address:

# COMPLETE SUBMISSION



**Nurul Fadly Bin Habidin**  
Researcher  
Universiti Pendidikan Sultan Idris

Application > Edit Application

Submission Date: 05/02/2021  
12 days left

- Application Details
- Project Leader
- Research Info.
- Equipment & Material
- Budget
- Add. Info.
- Declaration
- Appendix
- Form Submission**

**Application Form Submission**

Status



Application

New Application

My Application

Evaluation

My Evaluation

Monitoring

# KPI & LAPORAN

## Laporan Akhir Projek (Secara dalam Talian melalui Sistem MyGRANTS)

Ketua Penyelidik perlu melengkapkan Laporan Akhir Projek (**secara dalam talian melalui Sistem MyGRANTS**) dalam tempoh tiga (3) bulan selepas tarikh tamat projek atau tarikh projek ditamatkan. Laporan ini mestilah berdasarkan kepada hasil penyelidikan dari projek FRGS yang diluluskan sahaja. Laporan Akhir ini perlu merangkumi perkara-perkara berikut:

- (a) Profil Penyelidikan (5 muka surat);
- (b) Hasil Penyelidikan (disertakan bahan bukti);
  - Bakat/GRA (nama individu dan peringkat pengajian);
  - Penerbitan (dalam jurnal terindeks);
  - Lain-lain hasil penyelidikan.
- (c) Infografik Hasil Penyelidikan;
- (d) Digalakkan untuk menyediakan video impak penyelidikan FRGS berdurasi 3-5 minit mengikut format yang telah ditetapkan JPT, KPT.

PERMOHONAN

***“JOM KITA MOHON”***

***<https://mygrants.gov.my/>***

## B. Details of Project Leader *All of these are compulsory. Please update in the researcher profile page*

B(i). Name	<a href="#">Nurul Fadly Bin Habidin</a>
B(ii). Academic Qualification	Engineering Doctorate (Engineering Business Management)
B(iii). Nationality	Malaysia
B(iv). IC/Passport No.	
B(v). Position	Senior Lecturer
B(vi). Institution	Universiti Pendidikan Sultan Idris (UPSI)
B(vii). Faculty/Centre	Faculty of Management and Economics
B(viii). Unit/Department	Department of Business Management and Entrepreneurship
B(ix). Office Phone No.	01548797771 Ext.7772
B(x). Handphone No.	0175717027
B(xi). E-mail Address	fadly@fpe.upsi.edu.my
B(xii). Date of First Appointment with this Institution	16/11/2006
B(xiii). Type of Service (Permanent/Contract)	Permanent Expected Retirement Date: <i>Please update in profile</i>

**Nurul Fadly Bin Habidin**  
Researcher  
Universiti Pendidikan Sultan Idris

Application > New Application

**Mohon klik ini untuk Update Profile**

- Application
  - New Application
  - My Application
- Evaluation
  - My Evaluation
- Monitoring **19**
- Invitation
- Connection
  - Find Researcher
  - View Connections
  - Add Group
  - All **15**
  - Lean Kaizen **1**
- Group Discussion **19**



Grant:

**Dah boleh isi permohonan, bila dah official permohonan telah dibuka, kita hanya setting kepada (Selected Grant ke FRGS 2021).**





Profile (Last verified at 27/02/2020, 06:10:25PM)

Account Personal Info Project Publication IP Supervision Teaching Consultation Community Service Past IPT/RI

Account	<b>Mohon Update Profile</b>	
ID	33077	<b>No. ID: Bagi No ID bila Ketua Penyelidikan nak invite kita sebagai ahli/member (rakan penyelidikan bersama)</b>
User Name	nfadly	
Image		
Title		
Full Name !	Nurul Fadly Bin Habidin	
Password	*****	

## Research Domain

Main Research Domain	Sub Research Domain	Expertise
Social Sciences	Business and Management	Lean operation, Industrial Management, Business Commercialization, Financial Economics, Innovation Management, Entrepreneurship, Healthcare Management, Engineering Management, Islamic Economics, Education Management

H-Index (SCOPUS) !	11
H-Index Attachment	<a href="#">scopus fadly.pdf</a>
Citation	384

Working Experience (non-academic)	Description	Period
	Kanban Executive, Perodua Manufacturing Rawang	2

**Nurul Fadly Bin Habidin**  
Researcher  
Universiti Pendidikan Sultan Idris

Application > New Application

**Mohon klik ini untuk Update Profile**

- Application
  - New Application
  - My Application
- Evaluation
  - My Evaluation
- Monitoring **19**
- Invitation
- Connection
  - Find Researcher
  - View Connections
  - Add Group
  - All **15**
  - Lean Kaizen **1**
- Group Discussion **19**

Grant:

Proceed

2. ✓

**Dah boleh isi permohonan, bila dah official permohonan telah dibuka, kita hanya setting kepada (Selected Grant ke FRGS 2021).**

## Confirmation

Each applicant must fulfill all the conditions as stated below (where applicable) in order to apply for this grant:

- If I have an on-going FRGS Project, it must have achieved a progress of 75% and above (based on the Monitoring Cycle 2/2020).
- If I have completed one or more FRGS Project(s), then Final Project Report(s) must be completed and endorsed by RMC (by 31st December 2020).
- I agree that the GRA (Master and/or PhD student) trained under this grant must be supervised by either myself as the Project Leader or a Co-Researcher from the same Institution.
- I am aware that each proposal must produce at least two (2) papers in indexed journals, one of which should be in the Web of Science (WoS).

# DECLARATION

## G. Declaration

- All details provided in this application are accurate. KPT has the right to reject or to cancel the offer without prior notice if there is any inaccurate information given.
- This proposal is not currently considered for any other research grant(s).
- The exact proposed work has not been funded through other research grant(s).
- Necessary approvals from relevant bodies (i.e.: Ethics Committee) are granted before related research activities commence.

### Proof of Ethical Committee approval

Attach

- I have an on-going Fundamental Research Grant Scheme (FRGS) project.
- This proposed research is my original work, is not copied from my MSc. or Ph.D. thesis or any other work (published or unpublished), and has not been submitted for grant application either at KPT or elsewhere.



# PAKCIK UNDER CONSTRUCTION TV



PakCik Under Construction TV

2.23K subscribers

CUSTOMIZE CHANNEL

MANAGE VIDEOS

HOME

VIDEOS

PLAYLISTS

COMMUNITY

CHANNELS

ABOUT



Popular uploads

▶ PLAY ALL

**Kaizentrenovation Bookstore**  
@Postgraduate.PhD.Master.Tesis.Book.Article.Journa  
Education

**PakCik TV Under construction**  
@Tips.PhD.Doctorate.Master.Tesis.Penyelidikan ·  
Educational research centre



#Tesis #PhD #Master "👤"  
PENGENALAN &...

4.6K views · 9 months ago



#Thesis #PhD #Master "👤"  
LATAR BELAKANG KAJIAN ...

4.3K views · 9 months ago



#Tesis #PhD #Master "👤"  
PENYATAAAN MASALAH...

3.6K views · 9 months ago



#Tesis #PhD #Master "👤"  
PENGENALAN KAJIAN...

2.6K views · 9 months ago



#Tesis #PhD #Master "👤"  
OBJEKTIF KAJIAN &...118

2.2K views · 9 months ago

# TERIMA KASIH

[fadly@fpe.upsi.edu.my](mailto:fadly@fpe.upsi.edu.my)

013-5375597