



MINISTRY OF HIGHER EDUCATION

APPLICATION FORM – CONCEPT PAPER
LONG TERM RESEARCH GRANT SCHEME-
JEJAK SARJANA ULUNG (LRGS-JSU)
*Skim Geran Penyelidikan Jangka Panjang-
Jejak Sarjana Ulung (LRGS-JSU)*
(Version 1/2021)

JABATAN PENDIDIKAN TINGGI
KEMENTERIAN PENGAJIAN TINGGI MALAYSIA

A. Application Details	
A(i). Selected Grant Scheme	LRGS-JSU 2021 – CONCEPT PAPER
A(ii). Title of Proposed Research Project	
A(iii). Total Proposed Budget (RM)	
A(iv). Keywords	

B. Details of Project Leader	
B(i). Name	
B(ii). Nationality	
B(iii). IC Number	
B(iv). Age	
B(v). Position	
B(vi). Institution	
B(vii). Faculty/Centre	
B(viii). Unit/Department	
B(ix). Office Phone No.	
B(x). Handphone No.	
B(xi). E-mail Address	
B(xii). Date of First Appointment with this Institution	
B(xiii). Type of Service (Permanent/Contract)	
B(xiv). Scopus H-Index	
B(xv). No. of Citation	

C. Research Information

C(i). Research Priority Area

Research Priority Area (Please choose one (1) only):

- Physics
- Chemistry
- Physiology and Medicine
- Economic Science
- Knowledge and Discovery of Frontiers

C(ii). Research Domain

Research Domain (Please choose one (1) only):

- Pure and Applied Sciences
- Technology and Engineering
- Clinical and Health Sciences
- Social Sciences
- Arts and Applied Arts
- Natural and Cultural Heritage
- Information and Communication Technology

C(iii). Research Cluster

Research Cluster (Please choose one (1) only):

- Food Safety and Security
- Basic Infrastructure
- Climate Change and Environment
- Health
- Education and Knowledgeable Civil Society
- National Security
- Social and Economic Wellbeing
- Frontier Technologies and Advanced Manufacturing

C(iv). 10-10 Malaysian Science, Technology, Innovation and Economy (MySTIE) – based on 10 Socio-Economic Drivers

MySTIE Socio-Economic Driver (Please choose one (1) only):

- Energy
- Business and Financial Services
- Culture, Arts and Tourism
- Medical and Healthcare
- Smart Technology and Systems (Next Generation Engineering and Manufacturing)
- Smart Cities and Transportation
- Water and Food
- Agriculture and Forestry
- Education
- Environment and Biodiversity

C(v). Shared Prosperity Vision 2030 (SPV 2030)

Shared Prosperity Vision (Please choose one (1) only):

- Islamic Finance Hub 2.0
- Digital Economy
- Industrial Revolution 4.0
- Content Industry
- ASEAN Hub
- Halal and Food Hub
- Commodity Malaysia 2.0
- Logistic, Transportation and Sustainable Mobility
- Coastal and Maritime Economy
- Centres of Excellence
- Renewable Energy
- Green Economy
- Smart and High Value Agriculture
- Advanced and Modern Services
- Malaysia Truly Asia

C(vi). Sustainable Development Goals (SDGs)

SDG (Please choose one (1) only):

- 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
- Reduced Inequalities
- Sustainable Cities and Communities
- Responsible Consumption and Production
- Climate Action
- Life below Water
- Life on Land
- Peace, Justice and Strong Institutions
- Partnerships for the Goals
- Societal Harmony and Happiness

C(vii). Location of Research

Location

C(viii). Duration of this Research

From	1st October 2021
To	
Duration	

C(ix). Mentor / Co-Mentor

Name	IC/Passport Number	Faculty/School/ Centre/Unit/Department	Position	Area of Expertise	Role (Mentor/ Co-Mentor)

C(x). Other Researchers (Limited to six (6) project members including Co-Mentor, if any)

Name	IC Number	Faculty/School/ Centre/Unit/Department & Institutions	Position	Area(s) of Expertise

C(xi). Executive Summary of Research Proposal

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

C(xii). Detail Planning

(a) Research Background

1. Problem Statement

2. Elements of Breakthrough Research

3. Literature Reviews

(b) References

(c) Objective(s) of the Research

(d) Methodology

1. Description of Methodology

(e) Expected Results/Research Output/Benefit

1. Breakthrough Research/Novel Theories/New Findings/Knowledge

2. Impact Statement on Quintuple Helix (please delineate/describe expected research deliverables on Society, Academia, Government, Industry and Environment)

3. Research Publications (Number of articles to be published in high-impact journals (Q1 Web of Science (WoS) or Top 1% in Science Citation Index-Expanded (SCIE) or Social Science Citation Index (SSCI)). The total number of publications must commensurate with the research scope).

Total Number of Publications:

Indexing Body	Number of Publications	Name of Journal
	Indexed Journal	
<input type="checkbox"/> Q1 WoS		
<input type="checkbox"/> SCIE		
<input type="checkbox"/> SSCI		

4. Talent Development (by research)

Total Number of Postdoctoral (by research):

Total Number of PhD Student(s) (by research):

Remark (if any):

5. International Collaborations

6. Intellectual Properties (IPs) (if any)

Total Number of Proposed IPs:

E. Budget

Budget Type	Description	Year 1	Year 2	Year 3	Year 4	Grand Total
11000 – Allowance						
21000 - Travelling and Transportation (40%)						
24000 - Rental						
27000 - Research Materials and Supplies						
28000 - Maintenance and Minor Repair Services						
29000 - Professional Services						
35000 - Accessories and Equipment (40%)						
Grand Total						

F(i). Patent Search (describe how your research output shall produce an innovative idea or technology that has the potential to be a solution for stakeholders (community, industry, government etc.) and offers a unique proposition)

To identify if the researcher is able to coherently present a compelling argument for his/her proposal in light of the IP landscape and factors identified in the (Yes/No) Section. The answer would reflect an understanding of the applicant's research advantage and limitations.

F(ii). Research Collaborator

- **International Research Laboratories (Collaboration might be in the form of co-authorship, co-researcher or any other significant and relevant collaborations)**
- **International Agency/Organization (Please identify all agencies/organisations collaborating in the project, and describe their role/contribution to the project)**
- **Industrial Linkages (Please identify any industry or end-user group involved in the project, and describe its role/contribution to the project) (if any)**

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 and delineate whether this is a high risk research)

Please consider an appropriate approach to working in the current conditions (pandemic, travel ban, social distancing etc.)

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

Description of risk assessment

G. Declaration

I declare that:

- 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.

Name:

Signature:

Date:

Approved By:

Signature:

RMC

Date: