

TIPS AND TRICKS FRGS GRANT

Assoc. Prof. Dr. Hasan Zuhudi Bin
Abdullah

ANJURAN:
 & **Fakulti KEJURUTERAAN
MEKANIKAL DAN PEMBUATAN**



January 20th, 2020
Monday



9.30 am



Meeting Room
Block G2, FKMP
UTHM

TIPS & TRICKS GERAN FRGS

Bersama:



**Prof. Madya Ts. Dr.
Hamimah Abd. Rahman**

20 Jan 2020

(Isnin)

9.30 pg - 11.30 pg

**BLOK G2 FKMP, BILIK MESYUARAT LAMA
SEMUA DIJEMPUT
HADIR**



**Prof. Madya Dr. Hasan
Zuhudi Abdullah**

ANJURAN:

**Fakulti Kejuruteraan
& Mekanikal DAN PEMBUATAN**



me Club
FACULTY OF MECHANICAL AND MANUFACTURING ENGINEERING

Some of the comments for rejection (Prof. Shukor Abd Razak, UTM 2017)

- Quality of Proposal: This is an interesting topic. However, numerous grammatical errors compromise the quality of the proposal.
- Track Record and Composition of Team: Penyelidik tidak mempunyai pengalaman mengkaji isu-isu berkaitan dengan pekerja asing. Bidang penyelidikan penyelidik lebih tertumpu kepada pendidikan terutama pendidikan teknik dan vokasional. Oleh kerana banyak kajian telah dijalankan ke atas isu ini, maka impak kajian yang dicadangkan ini dijangka rendah.
- Title: need to refine the title. sustainability too wide Executive

Some of the comments for rejection (Prof. Shukor Abd Razak, UTM 2017)

- Summary: should consist of introduction, aim, objectives, methodology and significant contribution to the body of knowledge
- Research Background: should elaborate on the definition of sustainability as it too loose.
- Past LR and latest citation from (2015 -2010) inadequate LR need to relate the RMK11
- Track Record and Composition of Team: too many members.
- Similarity check showed 45.3% with another FRGS project on brain connectivity as part of multimodality treatment of seizure, started Nov 2015.

Some of the comments for rejection (Prof. Shukor Abd Razak, UTM 2017)

- The budget is too high, since the research can be done in a laboratory using simulation software
- travelling expenses could be reduced professional services could be reduced
- Most of the references are not recent.
- Output is not that significant because is can only be applied to medical images.

Some of the comments for rejection (Prof. Shukor Abd Razak, UTM 2017)

- On the methodology, it is not clear where the subjects are going to be recruited from.
- The writing of the whole proposal, especially the research questions, has not been meticulous.
- Ethical issues have not been stated, and references are plenty but very few are those published in the last 5 years.

Some of the comments for rejection (Prof. Shukor Abd Razak, UTM 2017)

- Title: Penyelidikan ini tidak termasuk dalam agenda NRP negara
- The proposal's research questions and objectives are not synchronize.
- Most references are out of date. (more than 5 years)
- Flow chart: The flow chart loaded is not relevant to the project.
- References: References are not recent and formatting in the text in term of citation of the works are not done properly.

Some of the comments for rejection (Prof. Shukor Abd Razak, UTM 2017)

- References: References are not recent and formatting in the text in term of citation of the works are not done properly.
- Methodology: To place an electrode on autistic kid, to capture the EMG signal will pose a huge challenge. The applicant needs to get clearance from ethical committee to conduct such experiment
- Too costly.
- There is no novelty and high impact on society in research
- Only 4 citations for most recent (last 5 years) references

Title

Specific in nature reflecting fundamental issues to be resolved/novelty

Brief and reflects the content of the proposal

Executive Summary

Problem statement

Objectives

Methodology

Expected output/outcome/implication

Significance of output

Title:

- New idea, method & materials, application
- Biology activity (*In Vitro* and *In Vivo*) Testing of New Resources for Halal Natural Hydroxyapatite from Black Tilapia Fish Bones and Scales for Biomedical Applications
- *In Vitro* Bioactivity of Novel Chitosan/Gelatin/Halloysite Nanostructured Coatings on Anodised Titanium via Electrophoretic Deposition for Biomedical Applications
- New Embolic Agents Based on Natural Polymer of Alginate Incorporated with Superparamagnetic Iron Oxide Nanoparticles (SPIONs) for Uterine Artery Embolization (UAE) Application

Executive summary:

- Introduction
- The problem statement
- Objectives
- Research methodology
- Expected output/outcomes/implication
- Significance of output from the research project

Research Background

Elaboration of title

Clarity of problem statement and research question/hypothesis/theoretical framework (if applicable)

Cited most recent (last 5 years) related references

In line with government policy, national agenda and global aspiration (can help alleviate problem at local, national or world level)

Objectives

Specific, Measurable, Achievable, Realistic and within Time-frame (SMART)

Relate to problem statement/research question

Methodology

Clear and detailed description of methodology (may consist of field work, sampling techniques, interview session, analysis, lab work of different phases, experimental protocol, statistical analysis)

Able to achieve research objectives

Include research design, flow chart, Gantt chart, activities and milestones

Expected Result

New theory or new findings/knowledge

Publication in indexed journals (top tier)/Intellectual property

Talent - masters or PhD

Impact on society, economy and nation

Track Record and Composition of Team

Evidence of previous successful research projects

Qualification and rank of researchers

Well balanced team

Quality of Proposal

Meticulous

Proper use of language (grammar, spelling, sentence construction)

Good formatting and presentation

Elements of FRGS Criteria

Novel, cutting edge, high impact

Cost Category
Vot 11000 - Salary and Wages
Vot 21000 - Travelling and Transportation (Maximum 40%)
Vot 24000 - Rental
Vot 27000 - Research Materials and Supplies
Vot 28000 - Maintenance and Minor Repair Services
Vot 29000 - Professional Services
Vot 35000 - Accessories and Equipment (Maximum 40%)
Total

Thank you