



Research Grant Proposal

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LEARNING OUTCOME



Scope:

1. Why do we need to apply for grants?
2. What are the grants to apply for?
3. How to write good grant proposals?

Learning Outcome :

To be able to write better grant proposals
>>> in order to obtain R&D grants!

Research eco-system



Grants – Capex, Opex
 Human capital
 Students
 Research personnel
 (Man-days)
 Infrastructure
 Environment
 Culture

Publications - IFJ, CIJ
 Q1, Q2..
 Citations
 h-index
 Graduates
 Innovation, patent
 Medals
 Recognition
 Promotion
 Prof @ 40!
 >>> Satisfaction
 >>> Enjoyment
 >>> Happiness



- 1.
- 2.
- 3.

80/20 rule..



Context & Content

To start off:

1. Ask yourself - why?, why not?, how?, how else?
2. Understand the research eco-system
 - >>> no grants.. no projects.. no students
no papers (KPIs).. no graduation (GOT)..
no CV.. no h index.. no promotion.. no fun!
 - >>> learn from those who have been successful!
3. Understand the funding system / mechanism
 - >>> be proactive!



THE FUNDING SYSTEM

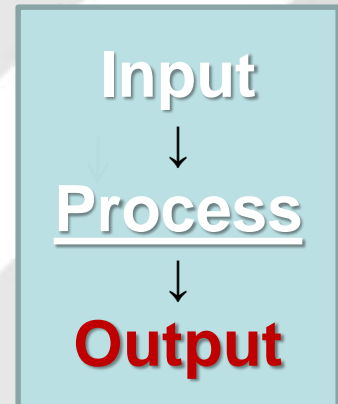
What we need to know:

5P : Proper Planning Prevents Poor Performance

1. Be prepared, do your homework
>>> literature review, understand the problem
2. Be concise, make it short & simple.. “MISS”
3. Be relevant and reasonable (be honest)
4. Follow the guidelines (including format, etc.)
5. **Objective** = to secure the funding!
>>> Don't ever over-promise (don't be desperate!)

The Research Value Chain:

1. Idea
2. Proposal (written + oral)
3. Getting the Grant
4. Doing the research
5. Publish / Patent / Commercialise..



>>> always deliver value!

Which Fund?



1. **MOSTI**
>>> **Sciencefund, eDana, Geran Inovasi**
2. **MOE**
>>> **FRGS, ERGS, PRGS, LRGS, TRGS, LEP**
3. **UPM - RMC**
>>> **Putra Grants..**
4. **Other Ministries**
>>> **MOA, MEGTW (KeTTHA), MHLG (KPKT), etc.**
5. **State Governments**
6. **Industry (GLCs, etc.)**
>>> **PETRONAS, FELDA, SIME DARBY, MTDC**
7. **International (go for matching grant, win-win)**
>>> **JICA, EU**



Filling the Form

- 1. Title (and keywords)**
- 2. Team, with CV (follow the format!)**
- 3. Executive Summary / Abstract**
- 4. Introduction (review, context, problem statement, gaps)**
- 5. Objective(s)**
- 6. Methodology (be appropriate)**
- 7. Timeline and Milestones**
- 8. Budget (be reasonable)**
- 9. Expected Output (outcome, impact!)**
- 10. Get response (comments) from experts**

What & How Much To Ask For?



- **Read the guidelines carefully**
- **Be reasonable and realistic (benchmarking)**
- **Items to ask for:**
 - **Personnel (contract and students)**
 - **Materials, consumables, chemicals**
 - **Equipment, rental**
 - **Repair, maintenance, update/upgrade**
 - **Software, licence**
 - **Analysis, tests**
 - **Travel, transport, conference, per diem**
 - **Patents, publications**



Defending Your Proposal -smile-

- 1. Be prepared (5P), be confident, be honest**
- 2. Know the expert panel**
- 3. Put yourself in their shoes**
>>> why would they give you money ???
- 4. Do not be defensive, do not overpromise**
- 5. Just do your best, ALLAH will do the rest!**



Dream and Reality

- 1. Most proposals get rejected!**
 - 2. The first proposal is the toughest**
 - 3. Funds are always limited**
 - 4. Panelists will look for weaknesses**
 - 5. Success is sweet!**
- >>> the 1st success is the sweetest!**

YOU'VE GOT IT!



Make it a success:

- 1) keep your options open, keep applying
- 2) improve the proposal **Habit 3/7**
- 3) always deliver value **Habit 2/7**
- 4) be pro-active **Habit 1/7**

>>> get that fund! It's fun!

Semoga ALLAH memberkati dan permudahkan..