

GOING FOR TRGS



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CONTENT

- ✓ Why Research ?
- ✓ Fundamental research journey
- ✓ Transdisciplinary collaboration
- ✓ Current issues
- ✓ Going Forward

Why research ?

10 INVENTIONS THAT CHANGE THE WORLD



PRINTING MACHINES



Telescope & Microscope



Engines



Plastics



Telephones



Aeroplane



Television



Touch screens



GPS

(Global Positioning System)



Internet/WWW

RESEARCH IN A UNIVERSITY



RESEARCH PRODUCTION; QUANTITY, QUALITY AND INNOVATION



BETWEEN WORKING STRATEGICALLY & TIRELESSLY TO THE TOP OR BIG SPENDERS



DEVELOPING THINKING, UNDERSTANDING & ANALYSING PROBLEMS WISELY



BRINGING BACK THE CONCEPT THAT “UNIVERSITIES ARE THE BEDROCK OF A KNOWLEDGE BASED SOCIETY



NURTURING HOPE, LAUGHTER AND PASSION IN SCIENTIFIC DISCOVERIES.

KLUSTER PENYELIDIKAN

- ▶ Sains Tulen dan Gunaan (Pure and Applied Sciences);
- ▶ Teknologi dan Kejuruteraan (Technology and Engineering);
- ▶ Sains Kesihatan dan Klinikal (Clinical and Health Sciences);
- ▶ Sains Sosial (Social Sciences);

- ▶ Sastera dan Sastera Ikhtisas (Arts and Applied Arts);
- ▶ Warisan Alam dan Budaya (Natural and Cultural Heritage);
- ▶ Teknologi Maklumat dan Komunikasi (Information and Communication Technology).

FUNDAMENTAL BASELINE

▶ Pandemics, as history has demonstrated, come and go. While COVID-19 provides essential lessons about how to manage a health crisis, it is considerably more critical to plan for future pandemics in order to push the country toward more effective health, social, economic, and political management.

▶ The proposal, therefore, should focus not just on recovery from the current pandemic but also on ways to strengthen resilience in the face of future health catastrophes (e.g., the next pandemic). The proposal must illustrate how the evidence provided by the research can enhance Malaysia's ability to mitigate and/or manage future crises successfully.

SYARAT PENYERTAAN

- ▶ Program ini mesti melibatkan minimum tiga (3) projek di bawah domain penyelidikan yang berbeza dari Universiti yang sama.
- ▶ Pengecualian diberi untuk kes-kes tertentu yang melibatkan maksimum satu (1) domain dari Universiti Awam lain.

KRITERIA PENILAIAN



Penyelidikan yang dapat menghasilkan idea / teori / konsep / kaedah baharu; dan



Penyelidikan yang dapat menambahbaik sesuatu polisi, metodologi dan model penyelesaian yang sedia ada; atau



Penyelidikan yang merangkumi isu-isu kemanusiaan dan kemasyarakatan bagi tujuan peningkatan nilai kehidupan dalam negara dan sejagat; atau



Penyelidikan yang berpotensi untuk menyumbang kepada agenda strategik negara.

- ▶ Merit Saintifik
- ▶ Impak Projek
- ▶ Kecekapan Kumpulan Penyelidik
- ▶ Ekosistem Penyelidikan dan Inovasi
- ▶ Potensi Translasi

CALL FOR PROPOSALS INCLUDE ONE OF THE FOUR TOPICS

LOOKING FORWARD

- ▶ Energy, Climate Change and Environment;
- ▶ Pandemic Mitigation, Preparedness, Response and Recovery;

FUTURE PROOF CAPABILITIES

- ▶ National Resilience to Security Threats;
- ▶ Artificial Intelligence and Internet of Everything Technology

NICHE THAT EXCITE THE MIND...

- ▶ The mechanism of
- ▶ S (STRESS)
- ▶ A (ANXIETY)
- ▶ D (DEPRESSION) in weakening the body immune defence
- ▶ COMPARED to the
- ▶ Non Communicable Diseases in Long Covid
- ▶ Determining the
- ▶ Inflammatory Response (interleukin, C-Reactive Proteins etc) of the “fight and flight” hormones during the various stages of Covid-19 management as a continuous care in assessing
- ▶ Home-based Covid-19 patients



SOLVING PROBLEMS/ Looking to the future

- ▶ Delineating machine learning
- ▶ Concept
- ▶ of clinical care by Booster covid-19 doses
- ▶ On emotional / physical and mental capacity of vaccinated segment of the
- ▶ population
- ▶ Measuring the chemical
- ▶ feel good factors
- ▶ In Students
- ▶ Who are compelled
- ▶ To study onlines.
- ▶ Before, and during the examination interval.





**Terima kasih atas perhatian
Jumpa lagi di lain kesempatan**