Unnamed area

Session 1 : Issues/challenges faced in R&D expenditure

GRI2

DOKUMEN DIPERAKUI BENAR

MOHAMAD MUZAFFAR ABDUL HAMID
TIMBALAN PENGARAH
PCD

Gross Domestic Expenditure in R&D (GERD)

- Current Expenditure
  - R&D personnel labour cost
  - Materials, supplies, equipment & services to support R&D activities
- Gross Fixed Capital Expenditures
  - Land & Building
  - Machinery & Equipment
  - Capitalized computer software
  - Other IP Products

1 LIst as many issues as possible..

- R&D skem incentives tidak sesuai dengan keperluan firma
- Proses permohonan incentives rumit dan membebankan
- Most of the private companies are SMI, limited money to fund research

2 List down top 5 issues

	Why it become an issue?	What can be done to solve it?	Who should involve in the solution?	How to implement it?	When can be implemented/can see the result
Issue #1 Insufficient Funding 1. Insufficient funding opportunities for some areas allocation for maintenance insufficient allocation for equipment **no dedicated fund for organization, GRI** Kurang Dana untuk penyelidikan asas (basic research) dan penyelidikan gunaan (applied research) Kekurangan Dana/Geran untuk GRI	R&D priority areas are determined by funder, not according to priority areas of each ministries Dana penyelidikan asas sebahagian besar dikawal oleh KPT untuk universiti sahaja Allocation for maintenance limited to project duration only. For long term needs to use OE of institute Some GRI need to conduct basic / applied research prior to enter the pre commercialisation level low commitment toward realizing percentage of GERD	**tax reduction** **increase funding from private sector** Funder should consult each ministries for their priority areas for R&D fund allocation Priority areas of funding Allow the GRI to apply for the Basic / Applied Research such as previous Sciencefund Dana penyelidikan asas dikawal oleh agensi pusat seperti RMA supaya terbuka kepada semua	MOSTI RMA, EPU Kementerian yang ada GRI GRI	to strengthen by the establishment of RMA Tax exemption by the government provide funds for GRI	12 bulan
Issue #2 Human Resources Limited RO permanent posts **Kakitangan dilantik berdasarkan pembiayaan kontrak** **isu PSH lantikan 3 + 3 bulan** **Kekurangan Tenaga Kerja (Research Officer/PSH/etc)** **Limited career advancement for contract based researcher**	Increase RO will increase research activities & expenditures **Contract based researchers are appointed on yearly basis with the same grade** **no career path** no continuity of expertise too many contract RO	**Cadangan: Pelantikan PSH (Sambilan) mengikut tempoh projek.** Contract researchers with 5 years experience to be offered permanent post GRI to review areas of expertise regularly for continuity	JPA Kementerian GRI	Memberi kelonggaran syarat tempoh PSH sedia ada	24 bulan
Issue #3 Collaboration between Government agencies and SMEs Regulatory requirement MOU G2G - cant apply EU grant Tiada agensi berkaitan Dana R&D yang berpusat Kurang collaboration antara kerajaan, swasta dan universiti	More than 90% of private companies are SMEs with no funding to fund R&D/collaboration Mismatch between industry problem/ requirement and innovation/ technologies from R&D	Specific collaboration fund for SME-GRI collaborative projects to solve SME needs/problems A platform created for industry to post their problems for researcher to solve through R&D, and to be funded (Matching Platform)	RMA	G2G collaboration for funding collaboration	12 bulan
Issue #4 Process - Evaluation project proposal Effective R&D project monitoring to reduce failed projects International Collaboration: bagi agensi fully government, MOA perlu mendapatkan kelulusan Jemaah Menteri Pelantikan panel penilai proposal Dana MOSTI boleh terdiri daripada GRI Proses mendapatkan Dana/Geran yang sukar/Birokrasi	Pelantikan panel dari Universiti yang melihat dari prespektif "Akademi" dan tidak pada praktikaliti proposal	Cadangan: Pelantikan panel yang mempunyai kepakaran dari GRI	MOSTI GRI (MPOB, LGM, LKM, MPB, FRIM, others)	Cadangan: MOSTI boleh mohon pencalonan dari Ketua Jabatan GRI untuk panel yang sesuai	12 bulan
Issue #5 Focus Area Peluang berjaya mendapat dana adalah tipis kerana bukan dari bidang fokus utama	kurang priority bagi GRI yang bukan dari komoditi utama Penetapan priority areas adalah mengikut keutamaan kementerian yang mengawal dana (eg. MOSTI, KPT)	Cadangan: Meluaskan focus area juga kepada komoditi lain (seperti timber, koko, lada dan lain-lain) Penetapan R&D priority areas perlukan input daripada semua kementerian	MOSTI GRI (MPOB, LGM, LKM, MPB, FRIM, others) RMA Ministries	Cadangan: MOSTI boleh berbincang dengan Kementerian seperti MPIC untuk menjadikan Dasar AgriKomoditi Negara (DAKN) sebagai rujukan dalam meperluaskan focus area	12 bulan

Unnamed area

Session 2 : Crafting Strategy

Use this template to visualize and define different components of a budding or existing strategy.

List of suggestions / request / expectation in R&D

Challenges

What problems are your trying to solve?
What obstacles must you overcome?

Issue 1: Insufficient Funding

Issue 2: Human Resources

Issue 3: Collaboration between Government agencies and SMEs

Issue 4: Process - Evaluation project proposal

Issue 5: Focus Area

Strategy 1:
1. Tax reduction for Private sector those invest in R&D
2. Dedicated (e.g. Development, MOSTI, other) Fund for GRI to achieve basic KPI on core area

Strategy 2:
1. Engagement of contract workers in R&D must based on project duration (not following the financial procedure year)
2. Increase RA / ARO posts in GRI for long term solution to solve the contract workers issue.

Strategy 3:
1. Collaborative research between GRIs and SMEs should be given special fund - solve SME problem

Strategy 4:
1. Panels for evaluation process of proposal should based on FOR from GRIs

Strategy 5:
Penetapan R&D priority areas perlukan input daripada semua kementerian

Aspirations

What are the ideal desired outcomes?
What do you want to achieve?

Sufficient Fund - GRIs

Enough mainpowers especially supporting staff (RA/ARO)

More collaboration work between Gov and SMEs

Chances of GRIs pojects proposal getting approved increased

KPIs set by GRIs can be achieved

Focus Areas

What is the scope of the strategy?
What will you focus on for the most impact?

Guiding Principles

How will you overcome the challenges?
What specific mantras will guide your teams?

Action Plan

What types of activities solve the problems?
What capabilities achieve your aspirations?

Outcomes

What metrics will be used to gauge success?
What types of measurements will you employ?

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