

PROTEKSI ISI LAPORAN KEMAJUAN PENELITIAN

Dilarang menyalin, menyimpan, memperbanyak sebagian atau seluruh isi laporan ini dalam bentuk apapun kecuali oleh peneliti dan pengelola administrasi penelitian.

LAPORAN KEMAJUAN PENELITIAN

Informasi Data Usulan Penelitian

1. IDENTITAS PENELITIAN

A. JUDUL PENELITIAN

Implementing Operational Resilience for Islamic Banking in Indonesia and Malaysia

B. SKEMA, BIDANG, TEMA, DAN TOPIK PENELITIAN

Skema Penelitian	Bidang Fokus Penelitian	Tema Penelitian	Topik Penelitian
Penelitian Terapan	Sosial Humaniora - Seni Budaya - Pendidikan	Ekonomi dan sumber daya manusia	Kewirausahaan, koperasi, dan UMKM.

C. KOLABORASI DAN RUMPUN ILMU PENELITIAN

Jenis Kolaborasi Penelitian	Rumpun Ilmu 1	Rumpun Ilmu 2	Rumpun Ilmu 3
Kolaboratif Luar Negri	ILMU EKONOMI	ILMU EKONOMI	Ekonomi Syariah

D. WAKTU PELAKSANAAN

Tahun Usulan	Tahun Pelaksanaan	Lama Penelitian
2021	2022	1

E. ANCOR RESEARCH

Anchor Research	Topik Anchor
Dimas Bagus Wiranatakusuma, S.E., M.Ec., PhD., CIB., CRM., CRP	Formulation of a mechanism to monitor the development of Islamic financial institutions: Operasionalisasi Ketahanan Lembaga Keuangan Syariah

2. IDENTITAS PENELITIAN

Nama	Peran	Tugas
Dimas Bagus Wiranatakusuma, S.E., M.Ec., Ph.D., CIB., CRM., CRP	Ketua Pengusul	
Slamet Riyadi, S.T., M.Sc., Ph.D.	Pakar Bidang	Memberikan advice terkait pembuatan prototype produk
Rafif Fairuztama	Mahasiswa Bimbingan	Membantu koleksi referensi dan analisis data

3. MITRA KERJASAMA PENELITIAN (JIKA ADA)

Pelaksanaan penelitian dapat melibatkan mitra kerjasama, yaitu mitra kerjasama dalam melaksanakan penelitian, mitra sebagai calon pengguna hasil penelitian, atau mitra investor

Mitra	Nama Mitra	Kepakaran
Universiti Utara Malaysia	Dr. NORAZLINA ABD. WAHAB	Islamic Finance

4. KOLABORASI PENELITIAN (JIKA ADA)

Mitra	NIDN/NIK	Instansi
Prof. Dr. ROSYLIN BINTI MOHD YUSOF	A35190813	Universiti Utara Malaysia

5. LUARAN DAN TARGET CAPAIAN

Luaran Wajib

Tahun	Jenis Luaran
1	Publikasi Jurnal Internasional terindeks SCOPUS,
1	Prototype
1	Merek
1	Paten

Luaran Tambahan

Tahun	Jenis Luaran
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6. KLUSTER

Kluster	Sub Kluster	Group Riset	Mata kuliah
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7. ANGGARAN

Rencana anggaran biaya penelitian mengacu pada PMK yang berlaku dengan besaran minimum dan maksimum sebagaimana diatur pada buku Panduan Penelitian dan Pengabdian kepada Masyarakat.

Total Keseluruhan RAB Rp. 25,000,000

Tahun 1 Total Rp. 25,000,000

Jenis Pembelian	Komponen	Item	Satuan	Vol.	Harga Satuan	Total
BAHAN	Hibah Alat/Barang	Flash Disk	Unit	1	Rp. 160,000	Rp. 160,000
PELAPORAN, LUARAN WAJIB, DAN LUARAN TAMBAHAN	Article Processing Charge (APC)	Proofreading	Artikel	30	Rp. 142,000	Rp. 4,260,000
PELAPORAN, LUARAN WAJIB, DAN LUARAN TAMBAHAN	Biaya Luaran KI (Paten, Hak Cipta , dll)	Biaya Prototype	Paket	1	Rp. 10,000,000	Rp. 10,000,000
ANALISIS DATA	Honorarium Pengolah Data	HR Peneliti	Per Penelitian	180	Rp. 38,000	Rp. 6,840,000
PENGUMPULAN DATA	Honorarium Asisten Lapangan	HR Asisten Peneliti	OJ	180	Rp. 18,000	Rp. 3,240,000

8. LEMBAR PENGESAHAN

HALAMAN PENGESAHAN LAPORAN KEMAJUAN PENELITIAN SKEMA:

Judul : Implementing Operational Resilience for Islamic Banking in Indonesia and Malaysia
 Peneliti/Pelaksana : Dimas Bagus Wiranatakusuma, S.E., M.Ec., Ph.D., CIB., CRM., CRP
 NIDN : 0516108502
 Jabatan Fungsional : Lektor
 Program Studi/Fakultas : Ekonomi
 Nomor HP : +6281316328255
 Alamat surel (e-mail) : dimas_kusuma@umy.ac.id

Anggota

Nama : Slamet Riyadi, S.T., M.Sc., Ph.D.
 NIDN : 0509087801
 Jabatan Fungsional : Lektor
 Program Studi/Fakultas : Teknologi Informasi

Nama : Rafif Fairuztama
 NIM : 20200430028
 Prodi : S1 Ekonomi

Mitra : Universiti Utara Malaysia
 Nama Mitra : Dr. NORAZLINA ABD. WAHAB
 Kepakaran : Islamic Finance

Nama : Prof. Dr. ROSYLIN BINTI MOHD YUSOF

NIK : A35190813
 Institusi : Universiti Utara Malaysia

Biaya : Rp. 25,000,000

Yogyakarta, 05 Juni 2022

Mengetahui,
 Kepala LRI,



Prof. Dr. Dyah Mutiarin, MS.i.
 NIK : 19700502 199603

9. RINGKASAN

Operational resilience is a new concept and just release by Central Bank of UK in 2021. It refers to a condition whereby the financial institutions should develop their risk tolerance levels. These levels enable them to operationally measure at which level of risk ready to accept. By developing these levels, they could then operationally set up their behavior reflected through their financial variables. Finally, the financial institutions can reach their financial resilience in the sense they have ability to absorb shocks, manage their vulnerability, as well as able to remain promote their financial services. In other words, operational resilience leads to business sustainability in the midst of rapid disruption and uncertainty. This study develops tolerable thresholds related to Islamic banking activities in Indonesia and Malaysia. These thresholds would be able to monitor impact of shock and vulnerability in the banking sector.

Keywords: operational resilience, financial institution, Islamic bank, Indonesia, Malaysia

11. HASIL PELAKSANAAN PENELITIAN

INDONESIA				
Indicator	Category	Threshold	Time Horizon	Resilience Level
OPERATIONAL RESILIENCE	Composite Index	Upper Threshold	12	100%
		Lower Threshold	3	93%
MALAYSIA				
Indicator	Category	Threshold	Time Horizon	Resilience Level
OPERATIONAL RESILIENCE	Composite Index	Upper Threshold	3	93%
		Lower Threshold	3	64%

12. STATUS LUARAN

1. Publikasi Scopus → Draft selesai dan proses penyesuaian format ke publikasi Scopus Q2 (International Journal of Managerial Finance)

2. Prototype, Merek, dan Paten → Proses Kerjasama dengan PT. Wesclis Indonesia Neotech, perusahaan teknologi

No	Deskripsi Kerja	1	2	3	4	5	6	7	8	9	10	11	12
1	System Architecture Planning	■											
2	UI Design Planning			■	■	■	■						
3	Coding				■	■	■	■	■	■	■	■	
5	QA Testing												■
6	Publishing												■

13. PERAN MITRA

Membantu dalam Menyusun literature review dan memberikan data serta analisis terkait perkembangan Bank Syariah di Malaysia

14. KENDALA PELAKSANAAN PENELITIAN

- Kendala dalam mengolah data karena menggunakan teknis ekstraksi sinyal dan sangat teknis (menggunakan excel) – 35 Langkah secara keseluruhan
- Menyamakan persepsi antara tim peneliti dan tim IT karena perbedaan background

Constructing The Islamic Banking Resilience Index	
1	Developing a Theoretical Framework
2	Transforming into Index
3	Selecting Base Year
4	Determining Weight
5	Index Aggregation
6	Factor Analysis
7	Setting Threshold
8	Signaling Threshold
9	In Sample Model
10	Out Sample Model
11	Out Sample Performance
12	Determining the optimal level in Index Value
13	Calculating the optimal level in Real Value
14	Setting the Heat Map
15	Visualization

15. RENCANA TAHAPAN SELANJUTNYA

- April – Persamaan persepsi antara tim peneliti dan IT – Intensive rapat koordinasi on dan off
- Mei → Submit laporan kemajuan di simlitabmas (minimal draft kasar)
- Juni → submit journal (sesuai dengan kesepakatan dengan tim mitra LN)

1. International Journal of Managerial Finance → UMY Paper (Q2, SJR 0,35)
2. Borsa Istanbul Review → UUM Paper (Q2, SJR 0,68)

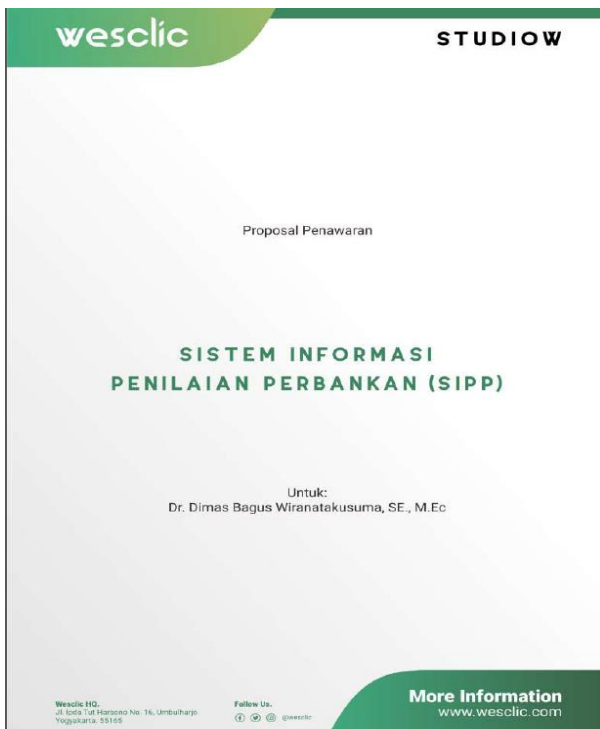
- Juli → Submit laporan akhir di simlitabmas

16. DAFTAR PUSTAKA

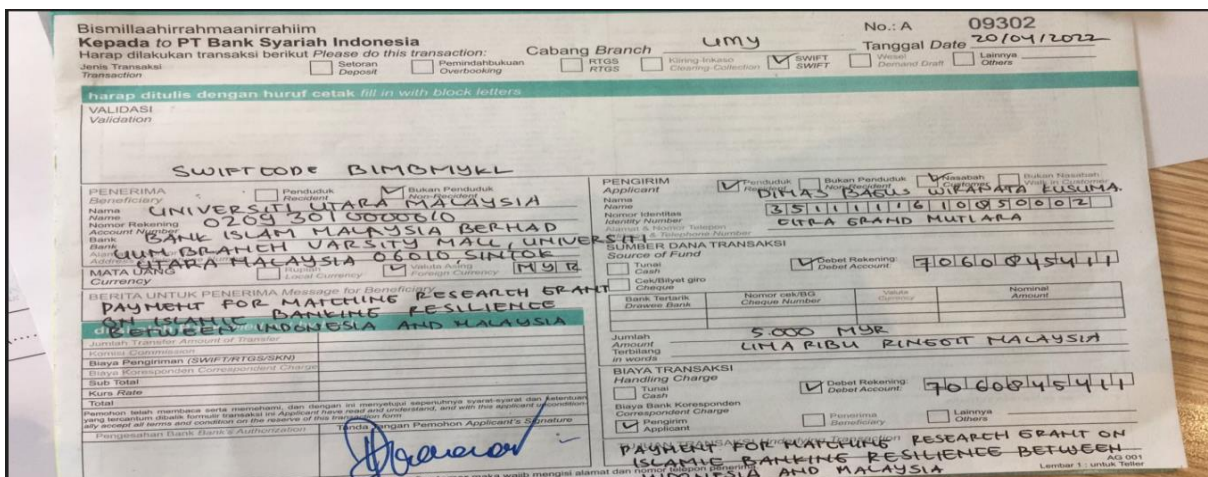
- Jumlah jurnal internasional bereputasi yang dicitasi? – Setelah dicari secara spesifik dengan publish and perish software, issue tentang operasional resilience masih sangat langka. Terbaru baru berupa naskah akademik dari bank sentral UK
- Jumlah jurnal internasional di citasi? – Tidak menemukan secara spesifik
- Jumlah jurnal nasional terakreditasi dicitasi? - Tidak menemukan secara spesifik

Keywords:	operational resilience banking					New
Results	Cites	Per year	Rank	Authors	Title	Ye. ^
Publication years: 2008-2021	<input checked="" type="checkbox"/>	7	2.33	7 J. Johnson	Adding rooms onto a house we love: Central banking after the global financial crisis	201
Citation years: 14 (2008-2022)	<input checked="" type="checkbox"/>	7	1.17	8 J. Keenan	From sustainability to adaptation: Goldman Sachs corporate real estate strategy	201
Papers: 22	<input checked="" type="checkbox"/>	5	0.38	9 B. Ayari	Exploring delay-aware transactions in heterogeneous mobile environments	200
Citations: 168	<input checked="" type="checkbox"/>	4	1.33	10 L. Galbusera	Leveraging network theory and stress tests to assess interdependencies in critical infrastructures	201
Cites/year: 12.00	<input checked="" type="checkbox"/>	4	1.33	11 A. Folkers	Logistical resistance against operations of capital: Security and protest in supply chains and finance	201
Cites/paper: 7.64	<input checked="" type="checkbox"/>	3	1.50	12 J.P. Smith	Wet nursing and donor human milk sharing in emergencies and disasters: A review	202
Authors/paper: 1.00	<input checked="" type="checkbox"/>	3	0.27	13 M. Motocu	Promoting the basel framework for operational risk to improve Romanian banks' resilience	201
h-index: 7	<input checked="" type="checkbox"/>	2	2.00	14 R. Hill	Seed Banks as Incidental Fungi Banks: Fungal Endophyte Diversity in Stored Seeds of Banana Wild Relatives	202
g-index: 12	<input checked="" type="checkbox"/>	2	0.29	15 H. Liu	An assessment of the efficiency of operational risk management in Taiwan's banking industry: An application of the stochastic frontier app...	202
h _{1,norm} : 7	<input checked="" type="checkbox"/>	1	0.50	16 M.R. Borges	Systemic risk in the Angolan interbank payment system—a network approach	202
h _{1,annual} : 0.50	<input checked="" type="checkbox"/>	1	0.25	17 H. Chahal	Understanding the role of business analytics: Some applications	202
hA-index: 2	<input checked="" type="checkbox"/>	1	0.10	18 S. Chowdhury	Technical efficiency of Indian commercial banks: An empirical analysis	201
Papers with ACC >= 1,2,5,10,20: 12,3,1,0,0	<input checked="" type="checkbox"/>	1	0.07	19 B. Ayari	Delay-aware mobile transactions	200
<input type="button" value="Copy Results"/>	<input checked="" type="checkbox"/>	0	0.00	20 U. Milkau	Operational resilience as a new concept and extension of operational risk management	202
<input type="button" value="Save Results"/>	<input checked="" type="checkbox"/>	0	0.00	21 F. Passey	A customer-insight led approach to building operational resilience	201
Frequently Asked Questions	<input checked="" type="checkbox"/>	0	0.00	22 E.V. Murphy	Financial stability oversight council: A framework to mitigate systemic risk	201
Training Resources (multilingual)						

17. LAMPIRAN-LAMPIRAN



Kontrak Kerjasama pembuatan Prototype



Transfer Dana Matching Grant dengan Universiti Utara Malaysia setara dengan RM 5000



RESEARCH COLLABORATION AGREEMENT

BETWEEN

UNIVERSITI UTARA MALAYSIA

AND

**UNIVERSITAS MUHAMMADIYAH
YOGYAKARTA**

CHARTING FUTURE GROWTH AND RESILIENCE OF
ISLAMIC BANKING IN INDONESIA AND MALAYSIA:
WHERE DO WE GO FROM HERE?

MoA Kerjasama Penelitian antara UMY dan UUM