





RESEARCH & COMDEV ROADMAP

Name	Elfindah Princes
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Faculty-Department	BINUS Graduate Program (BGP) - Information Systems Management (S2)
Study Field	Information Systems Management (S2)

Masalah dan Solusi 2023-2025 (Ringkas)	
<i>Masalah Prioritas yang Diidentifikasi</i>	<i>Solusi Prioritas yang Direncanakan</i>
<p>Aligning Industry & Education; Leveraging IT, IT Strategy, IT Governance; Industry Innovation and Infrastructure; Sustainable Urban Development.</p> <p>Increasing operational efficiencies and effectiveness within organizational activities which are very crucial.</p> <p>Encourage entrepreneurial activities related to the use of IT and understanding the changes in consumer behavior.</p>	<p>Utilizing Data science, Big Data Analytics, Business Intelligence, Cloud Computing, and Emerging Technologies (Voice Assistants, Smart speakers, Blockchain, Robotic Process Automation, AI IoT), along with understanding User behavior (Habit-forming Apps, Internet/Smartphone Addiction), Microservices, and Computer Network (6G, 5G, Mobile, Wireless, Wired, Security), with a special focus on fostering Technopreneurship and understanding Consumer Behavior.</p>
Topik SDGs Prioritas 2023-2025	
<p>Pilih Maksimum 2 (yang Utama) terkait masalah dan solusi: SDGs 9 (Industry, Innovation and Infrastructure); SDGs 11 (Sustainable Cities and Communities);</p>	

No	Peta Jalan	2023	2024	2025
1	Roadmap Penelitian: <<Topik Penelitian Prodi>>	Exploration of the Industrial Internet of Things (IoT), Cybersecurity, and Additive Manufacturing. Assessing IoT implementation readiness in manufacturing, education, healthcare, and other sectors, focusing on understanding Technopreneurship and Consumer Behavior.	Conducting research on Technology Implementation Readiness in Manufacturing, Education, and Healthcare, including modeling on limited data scales, simulation tools, and limited real-world implementation trials. Evaluating the achieved technology implementation outcomes in Manufacturing, Education, and Healthcare, identifying best practices, novel elements, and conducting user satisfaction surveys.	Continuing evaluation of technology implementation outcomes in Manufacturing, Education, and Healthcare, identifying best practices, novel elements, and conducting user satisfaction surveys. Further exploration and advancement in understanding Technopreneurship and Consumer Behavior in various sectors.
2	Level Tingkat Kesiapterapan Teknologi	Basic Research (Levels 1-3); Applied research (Levels 4-6); Development Research (Levels 7-9);	Basic Research (Levels 1-3); Applied research (Levels 4-6); Development Research (Levels 7-9);	Basic Research (Levels 1-3); Applied research (Levels 4-6); Development Research (Levels 7-9);
3	Riset Multidisiplin	Collaboration with disciplines such as Computer Science, Psychology, Humanities, Social Sciences, Mathematics, Statistics, Agriculture, Fisheries, and Information Systems, integrating insights into Technopreneurship and Consumer Behavior.	Continued collaboration with various disciplines including Computer Science, Psychology, Humanities, Social Sciences, Mathematics, Statistics, Agriculture, Fisheries, and Information Systems, integrating insights into Technopreneurship and Consumer Behavior.	Continued collaboration with various disciplines including Computer Science, Psychology, Humanities, Social Sciences, Mathematics, Statistics, Agriculture, Fisheries, and Information Systems, integrating insights into Technopreneurship and Consumer Behavior.
4	Roadmap Pengabdian: <<Topik Penelitian Prodi>>	Implementing IoT, cybersecurity, and additive manufacturing initiatives in sectors like manufacturing, education, healthcare, etc., with a special focus on nurturing Technopreneurship and understanding Consumer Behavior.	Continuing IoT, cybersecurity, and additive manufacturing initiatives in sectors like manufacturing, education, healthcare, etc., emphasizing the cultivation of Technopreneurship and understanding of Consumer Behavior.	Further advancing IoT, cybersecurity, and additive manufacturing initiatives in sectors like manufacturing, education, healthcare, etc., emphasizing the cultivation of Technopreneurship and understanding of Consumer Behavior.
5	Jenis Kegiatan Community Development	Educational programs, Socialization efforts, Consulting services.	Educational programs, Socialization efforts, Workshops/Seminars, Consulting services.	Partnerships, Digital Content Creation, Consulting services, Workshops/Seminars, Seminars, Campaigns, Educational programs.

No	Peta Jalan	2023	2024	2025
6	Bagaimana Riset dan ComDev masuk ke Pengajaran (Teaching)?	Incorporating Data Analytics, Data Science, Webmethods, IoT, Microservices, Data Engineering, E-Government, Data Visualization, and Python Programming into teaching curriculums, with an emphasis on understanding Technopreneurship and Consumer Behavior.	Continuing incorporation of Data Analytics, Data Science, Webmethods, IoT, Microservices, Data Engineering, E-Government, Data Visualization, and Python Programming into teaching curriculums, emphasizing understanding Technopreneurship and Consumer Behavior.	Further integration of Data Analytics, Data Science, Webmethods, IoT, Microservices, Data Engineering, E-Government, Data Visualization, and Python Programming into teaching curriculums, with an emphasis on understanding Technopreneurship and Consumer Behavior.
7	Mitra Riset dan ComDev	<input checked="" type="checkbox"/> UMKM <input checked="" type="checkbox"/> Industri (termasuk CSR) <input type="checkbox"/> PKBL (Usaha Kecil & Lingkungan) <input checked="" type="checkbox"/> Pemerintahan) <input checked="" type="checkbox"/> Universitas Nasional) <input checked="" type="checkbox"/> Universitas Internasional <input checked="" type="checkbox"/> BINUS University) <input type="checkbox"/> Media Massa <input checked="" type="checkbox"/> LSM/NGO)	<input checked="" type="checkbox"/> UMKM <input checked="" type="checkbox"/> Industri (termasuk CSR) <input type="checkbox"/> PKBL (Usaha Kecil & Lingkungan) <input checked="" type="checkbox"/> Pemerintahan) <input checked="" type="checkbox"/> Universitas Nasional) <input checked="" type="checkbox"/> Universitas Internasional <input checked="" type="checkbox"/> BINUS University) <input type="checkbox"/> Media Massa <input checked="" type="checkbox"/> LSM/NGO)	<input checked="" type="checkbox"/> UMKM <input checked="" type="checkbox"/> Industri (termasuk CSR) <input type="checkbox"/> PKBL (Usaha Kecil & Lingkungan) <input checked="" type="checkbox"/> Pemerintahan) <input checked="" type="checkbox"/> Universitas Nasional) <input checked="" type="checkbox"/> Universitas Internasional <input checked="" type="checkbox"/> BINUS University) <input type="checkbox"/> Media Massa <input checked="" type="checkbox"/> LSM/NGO)
8	Output lainnya (jika ada)	Pengembangan Diri (Self-development)	Pengembangan Diri (Self-development)	Pengembangan Diri (Self-development)
9	Rincian dari Mitra dan Output Lainnya (jika ada)			

Dibuat oleh,	Diperiksa oleh,	Diperiksa oleh,	Disetujui Oleh,
			
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Faculty Member	RC/PIC Riset	Comdev Coordinator	HoP/HoD
Tanggal:	Tanggal:	Tanggal:	Tanggal: 13 Juni 2024