

Research Methodology and Scientific Writing					
Course Code	Student Workload	Credits (according to ECTS)	Semester	Frequency	Duration
COM60051	90 hours	4.5 ECTS	Sem. 5	each odd-semester	16 meetings
1	Types of courses Compulsory (Faculty level)	Contact hours 63 hours	Independent study 27 hours	Class size 40 students	
2	Prerequisites for participation Have taken Bahasa Indonesia courses and taken more than equal to 120 ECTS				
3	Learning outcomes IS-ILO-3 Graduates are expected to be able to study and apply the concept of developing information systems in order to produce technological solutions for organizations				
4	Subject aims <ul style="list-style-type: none"> • Able to carry out the process of self-evaluation and able to manage research independently • Able to document, store, secure, and rediscover research data to ensure the validity of research and prevent plagiarism • Able to disseminate academic work in the form of scientific publications uploaded on the website of universities and/or reputable journals 				
5	Teaching methods Lectures, case study, class discussion, presentation				
6	Assessment methods Assignment, mid-term examination, end-term examination, project evaluation, practical-skill assessment				
7	This module is used in the following degree programmes as well Informatics Engineering, Computer Engineering, Information System, Information Technology Education, Information Technology				
8	Responsibility for module				
9	Other information <ol style="list-style-type: none"> 1. Ramdani, Fatwa. 2019. CURIOSITY: Scientific Methods of Information Technology Research. UB Press, Malang 2. Ebad, Ryhan. (2014). <i>Research Methodology in Computer Science</i>. Centrum Press 3. Wiersma, William & Jurs, S.G. (2009). <i>Research Methods in Education: An Introduction</i>. 9th Edition. Pearson. United States of America. 4. Hassani, H. 2017. <i>Research Methods in Computer Science: The Challenges and Issues</i>. Cornell University, Available at https://arxiv.org/abs/1703.04080 5. Holz, H. J., Applin, A., Haberman, B., Joyce, D., Purchase, H., & Reed, C. (2006). <i>Research methods in computing</i>. Working Group Reports on ITiCSE on Innovation and Technology in Computer Science Education-ITiCSE-WGR '06. doi:10.1145/1189215.1189180 				

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| <ol style="list-style-type: none">6. Hasibuan, Z.A., (2007). <i>Metodologi Penelitian pada Bidang Ilmu Komputer dan Teknologi Informasi (Konsep, Teknik, dan Aplikasi)</i>. Fakultas Ilmu Komputer Universitas Indonesia, Depok.7. Maturidi, A.J., (n.d.) <i>Metode Penelitian Teknik Informatika</i>. Deepublish. Sleman, Jogjakarta.8. Singh, K.Y. (2006). <i>Fundamental of Research Methodology and Statistics</i>. New Age International (P) Limited, Ansari Road, Daryaganj, New Delhi9. Kothari, C.F. (2004). <i>Research Methodology, Methods and Techniques</i>, Second Revised Edition. New Age International (P) Limited, Ansari Road, Daryaganj, New Delhi |
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