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| Modul designation | Research Methodology |
| Semester in which the module is taught | 5th Semester of Academic/Bachelor Stage |
| Person responsible for the module | 1. Dr. Arief Budi Yulianti, Dra., M.Si.<br>2. Heni Muflihah, dr., M.Kes., Ph.D.<br>3. Eka Nurhayati, dr., MKM.<br>4. Fajar Awalia Yulianto, dr., M.Epid.<br>5. R. Rizky Suganda Prawiradilaga, dr., M.Kes., Ph.D.<br>6. Dr. Lelly Yuniarti, S.Si., M.Kes. |
| Language | Bilingual (Indonesia & English) |
| Relation to curriculum | Compulsory |
| Teaching methods | Lecture |
| Workload | Total workload : 14 weeks<br><br>Contact hours : Lecture 2 hours/meeting |
| Credit points | 3 ECTS (2 SKS) |
| Required & recommended prerequisites for joining the module | - |
| Module Objective | At the end of course, students will be able to:<br><br>1. Explain the types of health research, the differences between descriptive and analytical studies, and the hierarchy of study designs (C2)<br>2. Determine the strengths and weaknesses of each research design (C3)<br>3. Implement the basic concepts of research methodology in scientific work. (C3)<br>4. Apply the concept of descriptive research design in scientific work. (C3)<br>5. Apply the concept of cross-sectional observational research design in scientific work. (C3)<br>6. Apply the concept of observational case control research design in scientific work. (C3)<br>7. Apply the concept of cohort observational research design in scientific work. (C3)<br>8. Apply the concept of experimental research design in scientific work (C3)<br>9. Applying the concept of qualitative research design in |

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| | scientific work (C3) |
| | 10. Apply the concept of the literature review (C3) |
| | 11. Critically implement health research results based on evidence-based principles (C3) |
| | 12. Apply the basic concepts of formulating research problems in scientific work (C3) |
| | 13. Apply the basis for forming a research conceptual framework (C3) |
| | 14. Apply basic research methods (C3) |
| | 15. Implement the basis for presenting research results and discussions (C3) |
| | 16. Apply the basic concepts of drawing conclusions (C3) |
| | 17. Explaining errors in research (C2) |
| | 18. Explain the basic principles of health research ethics (C2) |
| | 19. Apply the systematic principles of thesis writing (C3) |
| | 20. Apply the systematic principles of writing scientific articles in journal (C3) |
| Content | This research methodology module was developed to ensure the quality of public health education and guarantee the competence of the output of educational institutions, which refers to various research methodology standard references from both research methodology books and various materials that can be accessed from various other sources. This module consists of 14 topics that are the pillars of learning research methodology. |
| Examination forms | Written Test Examination |
| Study and examination requirements | System Pass Criteria : minimum written test score 55.5 (C) |
| Reading list | 1. Buku panduan penulisan skripsi dan artikel ilmiah Fakultas Kedokteran Unisba |
| | 2. Creswell JW. Research design. Qualitative, quantitative and mixed methods approaches 3rd ed. Thousand Oak, California: Sage publication |
| | 3. Neuman WL. Social research method. Qualitative and quantitative approaches. Boston: Alyin dan Bacon |
| | 4. Creswell JW, Clark VLP. Designing and conducting mixed method research. Thousand Oaks: Sage publication |
| | 5. Creswell JW, Creswell JD. Mixed method research; developments, debates and dilemmas. In: Swanson RA, Holton EF, editors. Research in organization Foundations and methods of inquiry. San Fransisco: Berret-Koehler Publishers, Inc. |
| | 6. Aday LA, Cornelius LJ. Designing and Conducting Health Surveys. 3rd ed. San Fransisco: Jossey-Bass |
| | 7. Bandur A. Penelitian kualitatif. Metodologi, desain, dan teknik analisis data dengan NVivo 10. Jakarta: Mitra Wacana Media |
| | 8. Miles MB, Huberman AM, Saldana J. Qualitative data analysis: a method sourcebook. Thousand Oak California: SAGE |

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