

#### APPENDIX MODUL 4 : RESEARCH METHODS

<b>Module name</b>	Research Methods
<b>Module level, if applicable</b>	Basic Medical Education
<b>Code, if applicable</b>	20Y00510202
<b>Subtitle, if applicable</b>	-
<b>Course, if applicable</b>	Basic Medical Specialist Education
<b>Semester(s) in which the module is taught</b>	I
<b>Person responsible for the module</b>	1. Prof.Dr.dr.Dasril Daud Sp.A(K) 2. Prof.Dr.dr.Suryani As'ad MSc,SpGK(K)
<b>Lecturer</b>	1. Prof.Dr.dr.Dasril Daud Sp.A(K) 2. Prof.Dr.dr.Suryani As'ad MSc,SpGK(K)
<b>Language</b>	Indonesian Language [Bahasa Indonesia]
<b>Relation to Curriculum</b>	This course is a compulsory course and must be passed by students before completing the first semester
<b>Type of teaching, contact hours</b>	<ul style="list-style-type: none"> <li>• Learning methods in this subject are: <ul style="list-style-type: none"> <li>• Lecture (26,67 hours)</li> <li>• Structured Assignment (32 hours)</li> <li>• Private Study (32 hours)</li> </ul> </li> </ul> <p>Contact hours for Theory is 90,67 hours</p>
<b>Workload</b>	<p>For this course, students are required to meet a minimum hours in one semester, which consist of:</p> <ul style="list-style-type: none"> <li>• Lecture (0,89 ECTS)</li> <li>• Structured Assignment(1,07 ECTS)</li> <li>• Private Study (1,07 ECS)</li> </ul> <p>Total ECTS: 3,02</p>
<b>Credit points</b>	2 credit points (equivalent with 3,02 ECTS)
<b>Requirements according to the examination Regulations</b>	Students must have attended all classes and submitted all class assignments that are scheduled before final tests.
<b>Recommended prerequisites</b>	-
<b>Module objective / intended learning outcomes</b>	<p><b>Attitude</b>  <b>A1</b> : Pious to God Almighty, religious, civilised, upholding human values, ethical, independent, and contributing to improving the quality of people's lives in the fields of medicine and health.</p> <p><b>Knowledge</b>  <b>K1</b> : Able to apply the principles and methods of scientific thinking in solving health problems according to their specialisation.</p> <p><b>Skill</b>  <b>S1</b> : Able to increase the quantity and quality of basic, clinical and field</p>

	<p>research and have the motivation to develop their learning experience so that they can reach higher academic levels.</p> <p><b>Competence</b>  <b>C1</b> : Able to improve professional services through research and development and able to organise procedures and stages of research in the field of health</p>
<b>Content</b>	<ol style="list-style-type: none"> <li>1. Basic principles and objectives of research methodology</li> <li>2. Scientific and non-scientific approaches, definition of research and search for literature</li> <li>3. Development of research problems, setting research goals, writing research titles</li> <li>4. Literature review</li> <li>5. Development of theoretical framework</li> <li>6. Development of conceptual framework</li> <li>7. Research Hypothesis</li> <li>8. Identification, classification of research variables, operational definitions and objective criteria of variables</li> <li>9. Observational research design</li> <li>10. Experimental research design Population and sample</li> <li>11. Instrumentation and measurement</li> <li>12. Research ethics</li> <li>13. Research report</li> </ol>
<b>Forms of Assessment</b>	<ul style="list-style-type: none"> <li>• <b>Non-test form:</b> Article review : 20%</li> <li>• Proposal Presentation : 80%</li> </ul>
<b>Study and examination requirements and form of examination</b>	<p><b>Study and examination requirements:</b></p> <ul style="list-style-type: none"> <li>• Students must attend 15 minutes before the class start, and 30 minutes before examination start</li> <li>• Students must switch off all electronic devices (for offline class)</li> <li>• Students must switch on the camera/video during the class (for online class)</li> <li>• Students must inform the lecturer if they will not attend the class due to sickness, etc.</li> <li>• Students must submit all class assignment before the deadline</li> <li>• Students must attend the exam to get final grade</li> </ul> <p><b>For examination:</b>  Oral presentation</p>
<b>Media Employed</b>	Video and Power Point Presentation
<b>Reading List</b>	<p><b>Compulsory:</b></p> <ol style="list-style-type: none"> <li>1. Hulley, S. B., Cummings, S. R., Browner, W. S., Grady, D. G., &amp; Newman, T. B. (2013). <i>Designing clinical research</i> (4th ed.). Lippincott Williams &amp; Wilkins.</li> <li>2. Sastroasmoro S, Ismael S. <i>Dasar-dasar metodologi penelitian klinis</i>. Ed. 5. Jakarta: Sagung Seto; 2018.</li> </ol> <p><b>Additional:</b></p> <ol style="list-style-type: none"> <li>3. Greenberg, R. S., Daniels, S. R., Flanders, W. D., Eley, J. W., &amp; Boring, J. R. (2015). <i>Medical epidemiology: Population health and effective health care</i> (5th ed.). McGraw-Hill Education/Medical.</li> </ol>