



**Diponegoro University**  
**Faculty of Science and Mathematics**  
**Undergraduate Program Of Chemistry**

Module designation	<b>Capita Selecta of Organic Chemistry (KSKO)</b>
Semester(s) in which the module is taught	7
Person responsible for the module	Ismiyarto, S.Si., M.Si., Ph.D Ngadiwiyana, S.Si., M.Si
Language	Indonesian
Relation to curriculum	<del>Compulsory</del> /elective/ <del>specialisation</del>
Teaching methods	Lecture
Workload (incl. contact hours, self-study hours)	Face to face : 1 x (3 x 50 min); Structured study: 1 x (3 x 60 min); Self study: 1 x (3 x 60 min)
Credit points	3
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	(S9) Demonstrates an attitude of being responsible for work in his field of expertise independently (KU1) Able to apply logical, critical, systematic, and innovative thinking in the development or implementation of science and technology that pays attention to and uses humanities values by their field of expertise (KU2) Able to demonstrate independent, quality, and measurable performance (PP2) Mastering complete operational knowledge of functions, operating standard chemical instruments, and analyzing data and information from these instruments

Content	<ol style="list-style-type: none"> <li>1. Recent Developments on Organic Compound isolation methods</li> <li>2. Applications of Isolation Methods of Organic Compounds: Presentation of Recent Developments of isolation methods and their Applications</li> <li>3. Recent developments on structural analysis of Organic Compounds</li> <li>4. Application of Organic Compound Analysis Methods: Presentation of Recent Developments in isolation methods and their applications</li> <li>5. Recent Developments Organic chemical synthesis method using Organic Compound Catalyst</li> <li>6. Recent Developments in Methods for Synthesis of Organic Compounds Using Organic Catalysts: Types of Catalysts and Their Mechanisms.</li> <li>7. Application of Organic Compound Synthesis Methods Using Organic Catalysts: Presentation of Recent Developments of Organic Compound Synthesis Methods using Organic Catalysts and its Applications</li> <li>8. Recent Developments in organic chemical synthesis methods using An-Organic Catalysts</li> <li>9. Application of Organic Compound Synthesis Methods Using Inorganic Catalysts: Presentation of Recent Developments of Organic Compound Synthesis Methods using Inorganic Catalysts and Its Applications</li> <li>10. Recent developments study the relationship between the structure of organic compounds with reactivity</li> <li>11. Application of the method of studying the relationship between the structure of organic compounds and Reactivity: Presentation of the latest developments on the method of studying the relationship between the structure of organic compounds and Reactivity and its Applications</li> <li>12. Recent developments study the relationship between the structure of organic compounds with their activities</li> <li>13. Application of the method on the study of the relationship between the structure of organic compounds and their activities: Presentation of the latest developments on the method of studying the relationship between the structure of organic compounds with their activities and applications</li> <li>14. Metabolic studies related to the development of control methods for natural products in Indonesia and their applications</li> </ol>
Exams and assessment formats	Mid-Semester Exam and Final Exam

Study and examination requirements	Participatory Activities -10% Project Results -30% Task -5% Quiz -5% Mid-semester -25% Final exams -25%
Reading list	1. Reputable International Journal