



## Module Description

### Applications of Animal-Based Products Processing Technology

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|---|---|
| Module designation  | Applications of Animal-Based Products Processing Technology   |
| Module code   | 23G03130102   |
| Semester(s) in which the module is taught                     | 5 <sup>th</sup> semester  |
| Person responsible for the module (lecturers)                 | ❖ Prof. Dr. Ir. Mulyati M. Tahir, MS<br>❖ Prof. Dr. Ir. Jumriah Langkong, MP<br>❖ Dr. Ir. Andi Hasizah, M.Si.<br>❖ Serli Hatul Hidayah, S.TP., M.Si.  |
| Language  | Indonesian language (Bahasa Indonesia)  |
| Relation to curriculum  | Compulsory  |
| Teaching methods  | Laboratory practice, group discussion, project based learning   |
| Workload  | Total workload (estimated):<br>91 Laboratory practice   |
| Credit points   | 2 credit points = 3.24 ECTS   |
| Required and recommended prerequisites for joining the module |   |
| Module objectives/ Intended Learning Outcomes (ILO)           | ILO 3. Demonstrates effective communication of scientific knowledge both verbally and in written form, adhering to academic and professional standards (S)<br>ILO 7. Demonstrates the ability to manage food waste effectively while ensuring food safety (C4)<br>ILO 9. Demonstrates the ability to manage food waste effectively while ensuring food safety (C6)<br><br>CLO 1. Students can conceptually apply technology to fruit and vegetable processing<br>CLO 2. Students can conceptually apply technology to the processing of plantation products<br>CLO 3. Students can conceptually apply technology to the processing of cereals and legumes<br>CLO 4. Students can conceptually apply technology to rhizome processing<br>CLO 5. Students can organize and collaborate with teams to produce plant-based product processing innovations |
| Content   | ❖ Fruit and vegetable processing technology   |



|                                    | <ul style="list-style-type: none"><li>❖ Plantation processing technology</li><li>❖ Cereal and legume processing technology</li><li>❖ Rhizome processing technology</li></ul>  |                  |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
|------------------------------------|---|------------------|--------------|------------------|----------|---|------|-----------|----|------|-----------|----|------|-----------|---|------|-----------|----|------|-----------|----|------|-----------|---|------|-----------|---|------|------|---|------|
| Examination form                   | Writing (essay)   |                  |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| Study and examination requirements | <p>Examination requirements: Attendance above 80%</p> <ul style="list-style-type: none"><li>❖ Final Report of practicum: 70%</li><li>❖ Quiz: 30%</li></ul>  |                  |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
|                                    | <p>Grading:</p> <table border="1"><thead><tr><th>Numerical range</th><th>Letter grade</th><th>Conversion value</th></tr></thead><tbody><tr><td>85 - 100</td><td>A</td><td>4.00</td></tr><tr><td>80 - &lt; 85</td><td>A-</td><td>3.75</td></tr><tr><td>75 - &lt; 80</td><td>B+</td><td>3.50</td></tr><tr><td>70 - &lt; 75</td><td>B</td><td>3.00</td></tr><tr><td>65 - &lt; 70</td><td>B-</td><td>2.75</td></tr><tr><td>60 - &lt; 65</td><td>C+</td><td>2.50</td></tr><tr><td>50 - &lt; 60</td><td>C</td><td>2.00</td></tr><tr><td>40 - &lt; 50</td><td>D</td><td>1.00</td></tr><tr><td>&lt; 40</td><td>E</td><td>0.00</td></tr></tbody></table> <p><i>If student(s) receives(s) a score below 40, student(s) must retake the course</i></p> | Numerical range  | Letter grade | Conversion value | 85 - 100 | A | 4.00 | 80 - < 85 | A- | 3.75 | 75 - < 80 | B+ | 3.50 | 70 - < 75 | B | 3.00 | 65 - < 70 | B- | 2.75 | 60 - < 65 | C+ | 2.50 | 50 - < 60 | C | 2.00 | 40 - < 50 | D | 1.00 | < 40 | E | 0.00 |
| Numerical range                    | Letter grade  | Conversion value |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| 85 - 100                           | A   | 4.00             |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| 80 - < 85                          | A-  | 3.75             |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| 75 - < 80                          | B+  | 3.50             |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| 70 - < 75                          | B   | 3.00             |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| 65 - < 70                          | B-  | 2.75             |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| 60 - < 65                          | C+  | 2.50             |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| 50 - < 60                          | C   | 2.00             |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| 40 - < 50                          | D   | 1.00             |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| < 40                               | E   | 0.00             |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| Reading list                       |   |                  |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |
| Date of last amendment             |   |                  |              |                  |          |   |      |           |    |      |           |    |      |           |   |      |           |    |      |           |    |      |           |   |      |           |   |      |      |   |      |