



# PORTFOLIO

## Department of Agrotechnology

### Faculty of Agriculture

### University of Islam Malang

|                            |  |
|----------------------------|--|
| Subject                    | Agricultural Physic  |
| Module Level, if available | Undergraduate Study Program of Agrotechnology  |
| Subject Code               | MKW 60603  |
| Type of course             | Basic Science  |
| Credits                    | 3 credits/ 5.1 ECTS  |
| Semester                   | 1  |
| Prerequisite               | -  |
| Parallel Class             | A, B and C   |
| Module Description         | This course provides a deep understanding to students in solving and practicing physical problems that occur in nature, especially in the field of agricultural science that can affect the survival of plants, especially the basic physical rules related to the field of agricultural science. Learning activities are in the form of lectures and independent assignments, as well as field practicums and laboratories to assess and measure the physical processes that occur  |
| Learning Outcomes          | <b>Course Learning Outcomes (CLO)</b><br>CLO 1: Comprehending theoretical concept of the application of physics in agriculture<br>CLO 2: Being able to measure physical symptoms in agriculture<br>CLO 3: Being able to apply, analyze the basic principles and concepts of fluid mechanics, the kinetic theory of gases and processes as well as the applicable laws to solve physical problems related to agriculture<br>CLO 4: Being able to calculate heat, thermal energy, temperature, flow, electrostatics, light and electrostatic waves comprehensively and apply them in agriculture   |
| Learning Content           | After completing this subject students are able to: <ol style="list-style-type: none"> <li>1. Mastering the importance of measurement, quantities, systems of units and their conversions, vector and scalar basis to explain particle movements and their application in agriculture (movement of water, nutrients and other substances) both horizontally and horizontally</li> <li>2. Review the concept of particle movement in one &amp; two dimensions and its application in agriculture as well as the work and energy involved in the concept of movement and the laws involved in it</li> <li>3. Apply and analyze the basic principles and concepts of fluid mechanics, gas kinetic theory and existing processes and applicable laws to solve problems related to agriculture</li> <li>4. Mastering knowledge about heat and thermal energy, temperature, flow, electrostatics, light and electrostatic waves in a comprehensive and in-depth manner and can develop and apply them to study more developed agricultural fields</li> </ol> |

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| Aims                     | Students have competence to apply the learning outcomes of course Agricultural Physics in plant production systems both independently and in the industrial world of the agricultural and plantation sectors  |
| Teaching Methods         | Several methods applied in this course consist of lecturing, assignment, and group discussions. All these methods are applied on 3 parallel classes   |
| Participant              | <ul style="list-style-type: none"> <li>• A class: 30 students in total 1<sup>th</sup> semester</li> <li>• B class: 29 students in total 1<sup>th</sup> semester</li> <li>• C class: 27 students in total 1<sup>th</sup> semester</li> </ul>   |
| Teaching Attendance      | <p>14 meetings were completely held (100%) by lecturer (A,B and C classes)</p> <p>From 30 students, 2 student were below 100% of attendance (A class)</p> <p>From 29 students, 3 student were below 100% of attendance (B class)</p> <p>From 27 students, 13 student were below 100% of attendance (C class)</p>  |
| Evaluation System        | Component of assessment on this course consist of regular assignment, midle semester test and final semester test, presence and practice. All these component are then combined to obtain final score. Scoring matrices and question samples are available in Appendix 1 and Appendix 2   |
| Learning Result          | <ul style="list-style-type: none"> <li>• Achievement CLO in A Class<br/>CLO 1 = 83.50 (Excellent)<br/>CLO 2 = 84.00 (Excellent)<br/>CLO 3 = 79.00 (Excellent)<br/>CLO 4 = 82.00 (Excellent)</li> <li>• Achievement ILO in B Class<br/>CLO 1 = 80.00 (Excellent),<br/>CLO 2 = 81.00 (Excellent),<br/>CLO 3 = 77.00 (Excellent)<br/>CLO 4 = 75.50 (Excellent)</li> <li>• Achievement ILO in C Class<br/>CLO 1 = 71.00 (Excellent),<br/>CLO 2 = 70.00 (Satisfactory),<br/>CLO 3 = 68.00 (Satisfactory),<br/>CLO 4 = 70,50 (Excellent )</li> </ul> <p>Complete achievement on average CLO can be seen on Appendix 3</p> |
| Statistical Distribution | <ul style="list-style-type: none"> <li>• A Class, score distribution: A = 15 students (50%) and B = 15 students (50%)</li> <li>• B Class, score distribution: A = 9 students (31%), B = 18 students (62%), C = 1 student (3%) and Failed = 1 students (3%)</li> <li>• C Class, score distribution: A = 5 students (19%), B = 11 students (41%), C = 5 student (19%), D = 1 student and Failed = 5 students</li> </ul>   |

|                      |  |
|----------------------|--|
|                      | (19%)<br><br>Complete achievement on each per student can be seen on Appendix 4  |
| Teaching Observation | <p>Materials were delivered in Indonesia. The student could understand the materials well.</p> <p>In A Class: there were 1 student poor on both CLO 1, 4 students poor on both CLO 2, 4 students poor on CLO 3 and 1 student poor on CLO 4.</p> <p>In B Class: there were 1 student poor on CLO 1, 6 students poor on CLO 2, 4 students poor on CLO 3 and 4 students poor on CLO 4.</p> <p>In C Class: there were 4 students poor on CLO 1, 8 students poor on CLO 2, 5 students poor on CLO 3 and 6 students poor on CLO 4.</p> |
| Learning Constraints | A, B and C class: The lack of practical infrastructure causes students' understanding to be lacking  |
| Recommendation       | <p>A Class: Paying more attention for students who hardly understand the materials</p> <p>B Class: Paying more attention for students who hardly understand the materials</p> <p>C Class: need special handling because most students are lazy to study</p>  |

### Appendix 1. Scoring Matrix

| Nomenclature        | Weight | Final Score |               |
|---------------------|--------|-------------|---------------|
|                     |        | Letter Mark | Score average |
| Assignment          | 15%    | A           | 80 – 100      |
| Midle semester test | 30%    | B           | 70 - <80      |
| Final semester test | 30%    | C           | 55 - <70      |
| Practice            | 15%    | D           | 50 - < 55     |
| Presence            | 10%    | E           | 0 - <50       |

### Appendix 2. Question samples

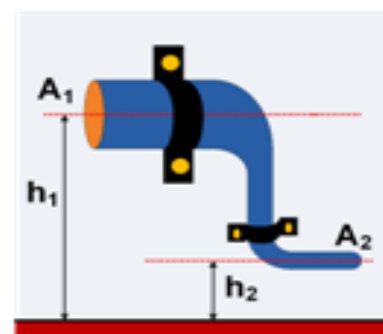
- Why is it also mentioned in determining the meter bar as a standard length? temperature state?
  - Can length be called a basic quantity if it depends on other quantities such as temperature for the determination of the standard?
  - Count ! how many kilometers are there in 20 miles, using only the following conversions:  
1 mile = 5280 feet, 1 foot = 12 inches, 1 inch = 2.54 cm, 1 meter = 100 cm and 1 km = 1000 meters.  
(to achieve CLO 1)
- A leaf with an area of 98 cm<sup>2</sup> has a constant temperature around 27 °C, pressure 76 cm Hg.  
Determine the heat lost from the leaf surface due to convection for 1 hour if the location of the leaf;

  - vertical
  - horizontal

(to achieve CLO 2)

3. The pipe for distributing irrigation water is attached to a wall as shown in the following picture! The ratio of the cross-sectional area of a large pipe ( $A_1$ ) and a small pipe ( $A_2$ ) is 4: 1. The position of the big pipe is 5 m above the ground and the small pipe is 1 m above the ground. The speed of water flow in the large pipe is 36 km/hour with a pressure of  $9.1 \times 10^5$  Pa. Determine: Velocity of water in small pipe.

(to achieve CLO 3)



4. a What is light interference?  
 b What are the conditions for minimum and maximum light interference?  
 c Explain the properties of electromagnetic waves.  
 d. Name and explain the electromagnetic wave spectrum that is useful for agriculture!

(to achieve CLO 4)

### Appendix 3. Achievement of CLO

#### A Class

| Meetings  | CLO 1 (%) | CLO 2 (%) | CLO 3 (%) | CLO 4 (%) |
|-----------|-----------|-----------|-----------|-----------|
| 1-2       | 89        |           |           |           |
| 3-4       |           | 84        |           |           |
| 5         |           |           | 80        |           |
| 6         | 78        |           |           |           |
| 7-8       |           |           | 78        |           |
| 9 -10     |           |           |           | 81        |
| 11        |           |           |           | 81        |
| 12        |           |           |           | 84        |
| 13-14     |           |           |           | 82        |
| Average   | 83,5      | 84        | 79        | 82        |
| Predicate | EXCELLENT | EXCELLENT | EXCELLENT | EXCELLENT |

#### B Class

| Meetings  | CLO 1 (%) | CLO 2 (%) | CLO 3 (%) | CLO 4 (%) |
|-----------|-----------|-----------|-----------|-----------|
| 1-2       | 86        |           |           |           |
| 3-4       |           | 81        |           |           |
| 5         |           |           | 79        |           |
| 6         | 74        |           |           |           |
| 7-8       |           |           | 75        |           |
| 9 -10     |           |           |           | 75        |
| 11        |           |           |           | 75        |
| 12        |           |           |           | 76        |
| 13-14     |           |           |           | 72        |
| Average   | 80        | 81        | 77        | 74,5      |
| Predicate | EXCELLENT | EXCELLENT | EXCELLENT | EXCELLENT |

**C Class**

| Meetings  | CLO 1 (%) | CLO 2 (%) | CLO 3 (%) | CLO 4 (%) |
|-----------|-----------|-----------|-----------|-----------|
| 1-2       | 73        |           |           |           |
| 3-4       |           | 70        |           |           |
| 5         |           |           | 69        |           |
| 6         | 69        |           |           |           |
| 7-8       |           |           | 67        |           |
| 9 -10     |           |           |           | 70        |
| 11        |           |           |           | 72        |
| 12        |           |           |           | 70        |
| 13-14     |           |           |           | 70        |
| Average   | 71        | 70        | 68        | 70,5      |
| Predicate | EXCELLENT | EXCELLENT | EXCELLENT | EXCELLENT |

**Standard**

| Std num-based AI |          | Weighted avg LO based AI |                |
|------------------|----------|--------------------------|----------------|
| >70 = AI         | HIGH     | >70 = AI                 | EXCELLENT      |
| 60 <= AI < 70    | MEDIUM   | 60 <= AI < 70            | SATISFACTORY   |
| 50 <= AI < 60    | LOW      | 50 <= AI < 60            | DEVELOPING     |
| AI < 50          | VERY LOW | AI < 50                  | UNSATISFACTORY |

## A Class

| NO.                | NPM         | NAMA                   | SUB-CPMK/BOBOT (NILAI HARIAN) |      |       |      |       |      |       |      |       |       |       |      |       |      |       |      |       |       | NILAI HARIAN (15%)  |           | Presence (10%)          | Active (15%) | UTS (30%) | UAS (30%) | NILAI AKHIR ** |       |
|--------------------|-------------|------------------------|-------------------------------|------|-------|------|-------|------|-------|------|-------|-------|-------|------|-------|------|-------|------|-------|-------|---------------------|-----------|-------------------------|--------------|-----------|-----------|----------------|-------|
|                    |             |                        | 1                             |      | 2     |      | 3     |      | 4     |      | 5     |       | 6     |      | 7     |      | 8     |      | 9     |       |                     |           |                         |              |           |           | Angka          | Huruf |
|                    |             |                        |                               | 10%  |       | 10%  |       | 10%  |       | 10%  |       | 15%   |       | 10%  |       | 10%  |       | 10%  |       | 15%   | Skala 4             | Skala 100 |                         |              |           |           |                |       |
| 1                  | 21901031001 | WINDI TRI WAHYUNI      | 4,00                          | 0,40 | 4,00  | 0,40 | 3,00  | 0,30 | 4,00  | 0,40 | 3,50  | 0,53  | 4,00  | 0,40 | 4,00  | 0,40 | 4,00  | 0,40 | 3,00  | 0,43  | 3,08                | 91,88     | 100                     | 86           | 80        | 87        | 86,78          | A     |
| 2                  | 21901031002 | VICKY PRADANA PUTRA    | 4,00                          | 0,40 | 2,50  | 0,25 | 2,00  | 0,20 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 4,00  | 0,60  | 3,10                | 77,50     | 100                     | 78           | 75        | 72        | 77,43          | B     |
| 3                  | 21901031003 | IMAM MULARIF           | 4,00                          | 0,40 | 4,00  | 0,40 | 4,00  | 0,40 | 3,34  | 0,33 | 4,00  | 0,60  | 2,50  | 0,25 | 3,00  | 0,30 | 4,00  | 0,40 | 4,00  | 0,60  | 3,08                | 92,10     | 100                     | 79           | 82        | 82        | 84,87          | A     |
| 4                  | 21901031004 | HAYATUN NUFUS          | 3,00                          | 0,30 | 3,00  | 0,30 | 4,00  | 0,40 | 3,00  | 0,30 | 2,50  | 0,38  | 3,20  | 0,32 | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,45  | 3,10                | 77,38     | 100                     | 88           | 80        | 82        | 83,41          | A     |
| 5                  | 21901031005 | BAGAS ADITYA SYAHPUTRA | 3,00                          | 0,30 | 3,50  | 0,35 | 4,00  | 0,40 | 3,00  | 0,30 | 2,00  | 0,30  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 3,50  | 0,53  | 3,08                | 76,88     | 94                      | 84           | 70        | 67        | 74,63          | B     |
| 6                  | 21901031006 | M. NADHIM ARDIANSYAH   | 3,00                          | 0,30 | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,50  | 0,53  | 2,00  | 0,20 | 3,00  | 0,30 | 3,75  | 0,38 | 3,40  | 0,51  | 3,26                | 81,50     | 100                     | 83           | 68        | 77        | 78,18          | B     |
| 7                  | 21901031007 | IMRA' TULHASANAH       | 3,00                          | 0,30 | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,50  | 0,35 | 3,50  | 0,35 | 4,00  | 0,40 | 4,00  | 0,60  | 3,40                | 85,00     | 100                     | 87           | 85        | 82        | 85,90          | A     |
| 8                  | 21901031008 | ALIFIYAH FIRANDA PUTRI | 4,00                          | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,30 | 3,60  | 0,54  | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 2,75  | 0,41  | 3,35                | 83,81     | 100                     | 81           | 80        | 87        | 84,82          | A     |
| 9                  | 21901031009 | NADYA VIOLITTA ANANDA  | 3,00                          | 0,30 | 3,50  | 0,35 | 3,00  | 0,30 | 4,00  | 0,40 | 2,00  | 0,30  | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,25  | 0,49  | 3,19                | 79,69     | 100                     | 87           | 85        | 82        | 85,10          | A     |
| 10                 | 21901031010 | VIVIN HAFIDATUR ROFT'A | 3,50                          | 0,35 | 4,00  | 0,40 | 3,50  | 0,35 | 3,00  | 0,30 | 4,00  | 0,60  | 3,00  | 0,30 | 3,00  | 0,30 | 4,00  | 0,40 | 2,75  | 0,41  | 3,41                | 85,31     | 100                     | 85           | 75        | 87        | 84,15          | A     |
| 11                 | 21901031011 | BONA SIROIS            | 3,00                          | 0,30 | 3,00  | 0,30 | 2,00  | 0,20 | 3,00  | 0,30 | 3,00  | 0,45  | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 2,95                | 73,75     | 100                     | 85           | 70        | 77        | 77,91          | B     |
| 12                 | 21901031012 | DODIK PRAMUDIA         | 3,00                          | 0,30 | 2,50  | 0,25 | 2,50  | 0,25 | 3,00  | 0,30 | 2,50  | 0,38  | 2,50  | 0,25 | 2,50  | 0,25 | 3,00  | 0,30 | 2,50  | 0,38  | 2,65                | 66,25     | 100                     | 80           | 73        | 87        | 79,94          | B     |
| 13                 | 21901031013 | ALIFIA WILDA AMALIA PU | 4,00                          | 0,40 | 3,00  | 0,30 | 2,50  | 0,25 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,45  | 3,10                | 77,50     | 94                      | 87           | 70        | 72        | 76,08          | B     |
| 14                 | 21901031014 | MOHAMMAD SHOLEHUDDIN   | 2,00                          | 0,20 | 2,50  | 0,25 | 3,00  | 0,30 | 2,00  | 0,20 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 2,68                | 66,88     | 100                     | 80           | 75        | 77        | 77,63          | B     |
| 15                 | 21901031015 | VIRA YUNIA H. SANI     | 3,50                          | 0,35 | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,45  | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,65  | 0,55  | 3,45                | 86,19     | 100                     | 81           | 82        | 82        | 84,28          | A     |
| 16                 | 21901031016 | MAYADA FONI NURDEA     | 4,00                          | 0,40 | 3,00  | 0,30 | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,53  | 3,20  | 0,32 | 3,50  | 0,35 | 4,00  | 0,40 | 3,20  | 0,48  | 3,48                | 86,88     | 94                      | 87           | 78        | 82        | 83,48          | A     |
| 17                 | 21901031017 | DIPO DWITANTO AMIR PUT | 4,00                          | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,67  | 0,37 | 3,00  | 0,45  | 3,00  | 0,30 | 4,00  | 0,40 | 3,50  | 0,35 | 3,75  | 0,56  | 3,48                | 86,99     | 100                     | 83           | 70        | 72        | 78,10          | B     |
| 18                 | 21901031018 | SUCI RAMADHANI         | 4,00                          | 0,40 | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,75  | 0,38 | 3,00  | 0,30 | 4,00  | 0,60  | 3,43                | 85,63     | 100                     | 85           | 80        | 82        | 84,19          | A     |
| 19                 | 21901031019 | NAVILA FIRDIANI INANDA | 3,00                          | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 4,00  | 0,40 | 3,50  | 0,53  | 3,00  | 0,30 | 4,00  | 0,40 | 3,50  | 0,35 | 3,20  | 0,48  | 3,36                | 83,88     | 100                     | 86           | 75        | 57        | 75,08          | B     |
| 20                 | 21901031020 | ELISA OKTA ARGARENZA   | 4,00                          | 0,40 | 3,50  | 0,35 | 3,50  | 0,35 | 3,00  | 0,30 | 4,00  | 0,60  | 3,50  | 0,35 | 3,25  | 0,33 | 4,00  | 0,40 | 3,50  | 0,53  | 3,60                | 90,00     | 100                     | 88           | 75        | 81        | 83,50          | A     |
| 21                 | 21901031021 | KHOLIFATUL JANNAH      | 3,50                          | 0,35 | 4,00  | 0,40 | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 4,00  | 0,60  | 3,40                | 85,00     | 100                     | 85           | 65        | 65        | 74,50          | B     |
| 22                 | 21901031022 | MOHAMMAT MAS'UT KHAKIM | 3,00                          | 0,30 | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,30 | 3,75  | 0,56  | 3,31                | 82,81     | 100                     | 85           | 70        | 67        | 76,27          | B     |
| 23                 | 21901031023 | MOCH DIMAS FITROH ROHM | 4,00                          | 0,40 | 3,00  | 0,30 | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,45  | 2,75  | 0,28 | 3,50  | 0,35 | 3,50  | 0,35 | 3,50  | 0,53  | 3,35                | 83,75     | 100                     | 81           | 75        | 57        | 74,31          | B     |
| 24                 | 21901031024 | FIRZANAH NAHWAH        | 4,00                          | 0,40 | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,50  | 0,35 | 4,00  | 0,40 | 3,00  | 0,30 | 3,65  | 0,55  | 3,40                | 84,94     | 100                     | 85           | 82        | 78        | 83,49          | A     |
| 25                 | 21901031025 | AMUKSA BHIYANG SAETO   | 3,50                          | 0,35 | 3,00  | 0,30 | 3,00  | 0,30 | 2,00  | 0,20 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 2,88                | 71,88     | 100                     | 83           | 70        | 70        | 75,23          | B     |
| 26                 | 21901031026 | AMANDA REHA ZAHARAN    | 3,85                          | 0,39 | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,45  | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,30 | 3,50  | 0,53  | 3,41                | 85,25     | 100                     | 85           | 80        | 78        | 82,94          | A     |
| 27                 | 21901031027 | AINUN NISA PUSPITASARI | 4,00                          | 0,40 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 4,00  | 0,60  | 3,50  | 0,35 | 2,00  | 0,20 | 3,00  | 0,30 | 3,00  | 0,45  | 3,20                | 80,00     | 100                     | 84           | 80        | 92        | 86,20          | A     |
| 28                 | 21901031028 | EKO WAHYU WIDIANTO     | 4,00                          | 0,40 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 3,03                | 75,63     | 100                     | 82           | 70        | 67        | 74,74          | B     |
| 29                 | 21901031029 | FAIDDATUN NISA         | 4,00                          | 0,40 | 3,25  | 0,33 | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,45  | 3,50  | 0,35 | 3,25  | 0,33 | 3,50  | 0,35 | 3,00  | 0,45  | 3,30                | 82,50     | 100                     | 85           | 70        | 55        | 72,63          | B     |
| 30                 | 21901031030 | HADHARATI MAR'I ROHMIT | 4,00                          | 0,40 | 4,00  | 0,40 | 3,75  | 0,38 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,50  | 0,35 | 3,50  | 0,35 | 3,00  | 0,45  | 3,38                | 84,38     | 100                     | 80           | 77        | 82        | 82,36          | A     |
| Rata-rata          |             |                        | 3,56                          | 0,36 | 3,38  | 0,34 | 3,19  | 0,32 | 3,13  | 0,31 | 3,12  | 0,47  | 3,24  | 0,32 | 3,23  | 0,32 | 3,36  | 0,34 | 3,28  | 0,49  | 3,27                | 81,70     |                         |              |           |           |                |       |
| Konversi Skala 100 |             |                        | 89,04                         | 8,90 | 84,38 | 8,44 | 79,79 | 7,98 | 78,34 | 7,83 | 78,00 | 11,70 | 80,96 | 8,10 | 80,63 | 8,06 | 83,96 | 8,40 | 81,96 | 12,29 |                     |           | % Mahasiswa tidak lulus |              |           |           | 0%             |       |
|                    |             |                        |                               |      |       |      |       |      |       |      |       |       |       |      |       |      |       |      |       |       | % Mahasiswa nilai A |           |                         |              | 50%       |           |                |       |
|                    |             |                        |                               |      |       |      |       |      |       |      |       |       |       |      |       |      |       |      |       |       | % Mahasiswa nilai B |           |                         |              | 50%       |           |                |       |

| NO | NIM         | NAMA                   | CLO 1  | CLO 2  | CLO 3  | CLO 4 |
|----|-------------|------------------------|--------|--------|--------|-------|
|    |             |                        | Score  | Score  | Score  | Score |
| 1  | 21901031001 | WINDI TRI WAHYUNI      | 100,00 | 100,00 | 81,25  | 93,75 |
| 2  | 21901031002 | VICKY PRADANA PUTRA    | 100,00 | 68,75  | 62,50  | 81,25 |
| 3  | 21901031003 | IMAM MULARIF           | 100,00 | 91,75  | 100,00 | 84,38 |
| 4  | 21901031004 | HAYATUN NUFUS          | 75,00  | 75,00  | 81,25  | 79,38 |
| 5  | 21901031005 | BAGAS ADITYA SYAHPUTRA | 75,00  | 81,25  | 75,00  | 78,13 |
| 6  | 21901031006 | M. NADHIM ARDIANSYAH   | 75,00  | 93,75  | 81,25  | 75,94 |
| 7  | 21901031007 | IMRA`TULHASANAH        | 75,00  | 81,25  | 75,00  | 93,75 |
| 8  | 21901031008 | ALIFIYAH FIRANDA PUTRI | 100,00 | 75,00  | 88,75  | 82,81 |
| 9  | 21901031009 | NADYA VIOLITTA ANANDA  | 75,00  | 93,75  | 62,50  | 85,94 |
| 10 | 21901031010 | VIVIN HAFIDATUR ROFT A | 87,50  | 87,50  | 93,75  | 79,69 |
| 11 | 21901031011 | BONA SIROIS            | 75,00  | 75,00  | 62,50  | 78,13 |
| 12 | 21901031012 | DODIK PRAMUDIA         | 75,00  | 68,75  | 62,50  | 65,63 |
| 13 | 21901031013 | ALIFIA WILDA AMALIA PU | 100,00 | 75,00  | 68,75  | 78,13 |
| 14 | 21901031014 | MOHAMMAD SHOLEHUDDIN   | 50,00  | 56,25  | 75,00  | 71,88 |
| 15 | 21901031015 | VIRA YUNIA H. SANI     | 87,50  | 93,75  | 75,00  | 88,44 |
| 16 | 21901031016 | MAYADA FONI NURDEA     | 100,00 | 75,00  | 93,75  | 86,88 |
| 17 | 21901031017 | DIPO DWITANTO AMIR PUT | 100,00 | 83,38  | 81,25  | 89,06 |
| 18 | 21901031018 | SUCI RAMADHANI         | 100,00 | 87,50  | 75,00  | 85,94 |
| 19 | 21901031019 | NAVILA FIRDIANI INANDA | 75,00  | 87,50  | 81,25  | 85,63 |
| 20 | 21901031020 | ELISA OKTA ARGARENZA   | 100,00 | 81,25  | 93,75  | 89,06 |
| 21 | 21901031021 | KHOLIFATUL JANNAH      | 87,50  | 87,50  | 87,50  | 81,25 |
| 22 | 21901031022 | MOHAMMAT MAS`UT KHAKIM | 75,00  | 87,50  | 75,00  | 85,94 |
| 23 | 21901031023 | MOCH DIMAS FITROH ROHM | 100,00 | 75,00  | 87,50  | 82,81 |
| 24 | 21901031024 | FIRZANAH NAHWAH        | 100,00 | 81,25  | 75,00  | 88,44 |
| 25 | 21901031025 | AMUKSA BHIYANG SAETO   | 87,50  | 62,50  | 75,00  | 71,88 |
| 26 | 21901031026 | AMANDA REHA ZAHRAN     | 96,25  | 93,75  | 75,00  | 84,38 |
| 27 | 21901031027 | AINUN NISA PUSPITASARI | 100,00 | 75,00  | 87,50  | 71,88 |
| 28 | 21901031028 | EKO WAHYU WIDIANTO     | 100,00 | 75,00  | 75,00  | 71,88 |
| 29 | 21901031029 | FAIDDATUN NISA         | 100,00 | 84,38  | 75,00  | 82,81 |
| 30 | 21901031030 | HADHARATI MAR`I ROHMIT | 100,00 | 87,50  | 84,38  | 81,25 |



# B Class

| NO.                | NPM         | NAMA                   | SUB-CPMK/BOBOT (NILAI HARIAN) |      |       |       |       |      |       |      |       |       |       |      |       |      |       |      |       |       | NILAI HARIAN (15%) |           | Presence (10%)          | Practice (1) | UTS (30%) | UAS (30%) | NILAI AKHIR ** |       |
|--------------------|-------------|------------------------|-------------------------------|------|-------|-------|-------|------|-------|------|-------|-------|-------|------|-------|------|-------|------|-------|-------|--------------------|-----------|-------------------------|--------------|-----------|-----------|----------------|-------|
|                    |             |                        | 1                             |      | 2     |       | 3     |      | 4     |      | 5     |       | 6     |      | 7     |      | 8     |      | 9     |       |                    |           |                         |              |           |           | Angka          | Huruf |
|                    |             |                        |                               | 10%  |       | 10%   |       | 10%  |       | 10%  |       | 15%   |       | 10%  |       | 10%  |       | 10%  |       | 15%   | Skala 4            | Skala 100 |                         |              |           |           |                |       |
| 1                  | 21901031031 | NOVAN RIZKI PRATAMA    | 3,00                          | 0,30 | 3,00  | 0,30  | 3,00  | 0,30 | 3,00  | 0,30 | 3,50  | 0,53  | 3,00  | 0,30 | 3,00  | 0,30 | 4,00  | 0,40 | 2,50  | 0,38  | 3,10               | 77,50     | 100                     | 84           | 66        | 75        | 74,73          | B     |
| 2                  | 21901031032 | AHMAD FIRDAUS          | 4,00                          | 0,40 | 2,50  | 0,25  | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 3,03               | 75,63     | 100                     | 79           | 65        | 65        | 72,19          | B     |
| 3                  | 21901031033 | MUHAMMAD MAHDINOOR     | 4,00                          | 0,40 | 3,50  | 0,35  | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,45  | 2,50  | 0,25 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,15               | 78,75     | 100                     | 89           | 82        | 77        | 82,86          | A     |
| 4                  | 21901031034 | NADYAH BIRRIKIE IFFADA | 3,00                          | 0,30 | 3,00  | 0,30  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 2,93               | 73,13     | 100                     | 85           | 78        | 82        | 81,72          | A     |
| 5                  | 21901031036 | FUSTHATUL QONITAH      | 3,00                          | 0,30 | 3,50  | 0,35  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 2,50  | 0,25 | 3,00  | 0,30 | 3,00  | 0,30 | 3,50  | 0,53  | 3,08               | 76,88     | 100                     | 88           | 85        | 78        | 83,63          | A     |
| 6                  | 21901031037 | MEGA AYU KARTIKA       | 3,00                          | 0,30 | 4,00  | 0,40  | 3,00  | 0,30 | 3,00  | 0,30 | 3,50  | 0,53  | 2,50  | 0,25 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,13               | 78,13     | 100                     | 87           | 84        | 80        | 83,97          | A     |
| 7                  | 21901031038 | FATMI OKTAVIA          | 3,00                          | 0,30 | 3,50  | 0,35  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,50  | 0,35 | 2,50  | 0,25 | 3,00  | 0,30 | 2,00  | 0,30  | 2,90               | 72,50     | 100                     | 83           | 70        | 75        | 76,83          | B     |
| 8                  | 21901031039 | CICI NUR HIDAYATI      | 4,00                          | 0,40 | 3,00  | 0,30  | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,25 | 2,75  | 0,41  | 3,06               | 76,56     | 100                     | 88           | 70        | 80        | 79,68          | B     |
| 9                  | 21901031040 | DESYA ANASTASYA RAMADH | 3,00                          | 0,30 | 3,50  | 0,35  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 2,50  | 0,25 | 2,50  | 0,25 | 2,50  | 0,25 | 2,25  | 0,34  | 2,79               | 69,69     | 100                     | 88           | 63        | 78        | 76,55          | B     |
| 10                 | 21901031041 | AHMAD DWI FAKHRUDIN ZU | 3,00                          | 0,30 | 3,00  | 0,30  | 2,50  | 0,25 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,00  | 0,30  | 2,80               | 70,00     | 88                      | 79           | 50        | 75        | 68,65          | C     |
| 11                 | 21901031042 | NURMA                  | 3,00                          | 0,30 | 3,00  | 0,30  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 2,93               | 73,13     | 100                     | 83           | 75        | 70        | 76,92          | B     |
| 12                 | 21901031043 | BINTANG AULIA          | 3,00                          | 0,30 | 3,50  | 0,35  | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 2,50  | 0,25 | 3,50  | 0,35 | 3,00  | 0,30 | 3,50  | 0,53  | 3,05               | 76,25     | 94                      | 83           | 70        | 72        | 75,89          | B     |
| 13                 | 21901031044 | ALAA NURROHMAN ATAABIK | 3,00                          | 0,30 | 3,00  | 0,30  | 2,50  | 0,25 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 2,88               | 71,88     | 100                     | 82           | 75        | 80        | 79,58          | B     |
| 14                 | 21901031045 | ACHMAD YOGA NUR SIFAUD | 3,00                          | 0,30 | 2,50  | 0,25  | 3,00  | 0,30 | 2,00  | 0,20 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 2,78               | 69,38     | 100                     | 84           | 63        | 78        | 75,91          | B     |
| 15                 | 21901031046 | JAKA ALIEF BAGASKARA   | 3,50                          | 0,35 | 4,00  | 0,40  | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,45  | 3,50  | 0,35 | 3,00  | 0,30 | 3,50  | 0,35 | 3,65  | 0,55  | 3,40               | 84,94     | 100                     | 87           | 80        | 80        | 83,79          | A     |
| 16                 | 21901031047 | ABDULLOH KAFABIHI      | 3,00                          | 0,30 | 3,00  | 0,30  | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,53  | 3,20  | 0,32 | 3,50  | 0,35 | 3,50  | 0,35 | 3,20  | 0,48  | 3,33               | 83,13     | 100                     | 86           | 66        | 75        | 75,87          | B     |
| 17                 | 21901031048 | YOFI SUTANTO           | 4,00                          | 0,40 | 3,00  | 0,30  | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 4,00  | 0,40 | 2,50  | 0,25 | 3,75  | 0,56  | 3,31               | 82,81     | 100                     | 86           | 76        | 60        | 74,32          | B     |
| 18                 | 21901031049 | MUHAMMAD FAHRI FABIANS | 4,00                          | 0,40 | 4,00  | 0,40  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 2,50  | 0,25 | 3,00  | 0,30 | 3,00  | 0,45  | 3,15               | 78,75     | 100                     | 84           | 72        | 67        | 76,11          | B     |
| 19                 | 21901031050 | AMAL MA'RUF            | 2,50                          | 0,25 | 3,00  | 0,30  | 3,00  | 0,30 | 2,00  | 0,20 | 2,50  | 0,38  | 3,00  | 0,30 | 2,00  | 0,20 | 2,50  | 0,25 | 2,00  | 0,30  | 2,48               | 61,88     | 69                      | 0            | 0         | 0         | 16,18          | E     |
| 20                 | 21901031051 | AHMAD TRI SUPRIYANTO   | 4,00                          | 0,40 | 3,00  | 0,30  | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,45  | 3,50  | 0,35 | 3,25  | 0,33 | 4,00  | 0,40 | 3,50  | 0,53  | 3,40               | 85,00     | 100                     | 83           | 72        | 68        | 77,20          | B     |
| 21                 | 21901031052 | DINDA FATIKASARI       | 3,50                          | 0,35 | 4,00  | 0,40  | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 4,00  | 0,60  | 3,40               | 85,00     | 100                     | 83           | 85        | 80        | 84,70          | A     |
| 22                 | 21901031053 | DINDA DARA JOFITA      | 3,00                          | 0,30 | 2,50  | 0,25  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 2,00  | 0,20 | 2,50  | 0,38  | 2,78               | 69,38     | 100                     | 87           | 70        | 85        | 79,96          | B     |
| 23                 | 21901031054 | IMTIYAZ KAMILAH NURUL  | 4,00                          | 0,40 | 3,00  | 0,30  | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,45  | 2,75  | 0,28 | 3,50  | 0,35 | 3,50  | 0,35 | 3,50  | 0,53  | 3,35               | 83,75     | 100                     | 85           | 78        | 85        | 84,21          | A     |
| 24                 | 21901031055 | MOHAMMAD AGAM YOGASWAR | 4,00                          | 0,40 | 3,50  | 0,35  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,30 | 3,65  | 0,55  | 3,30               | 82,44     | 100                     | 85           | 67        | 68        | 75,62          | B     |
| 25                 | 21901031056 | RAMDAN HARIS           | 3,50                          | 0,35 | 3,00  | 0,30  | 3,00  | 0,30 | 2,00  | 0,20 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 2,88               | 71,88     | 100                     | 81           | 60        | 75        | 73,43          | B     |
| 26                 | 21901031057 | MOH. SHOHIBUL BURHAN   | 3,85                          | 0,39 | 4,00  | 0,40  | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,24               | 80,88     | 100                     | 86           | 70        | 75        | 78,53          | B     |
| 27                 | 21901031058 | AGUNG FAUZAN           | 4,00                          | 0,40 | 3,00  | 0,30  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,50  | 0,35 | 2,00  | 0,20 | 3,00  | 0,30 | 3,00  | 0,45  | 3,05               | 76,25     | 100                     | 85           | 70        | 75        | 77,69          | B     |
| 28                 | 21901031059 | WAHYU DIAN PRAMANA     | 4,00                          | 0,40 | 3,00  | 0,30  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,45  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 3,03               | 75,63     | 100                     | 89           | 76        | 84        | 82,69          | A     |
| 29                 | 21901031060 | ALEK PERDANA PUTRA     | 4,00                          | 0,40 | 3,25  | 0,33  | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,45  | 3,50  | 0,35 | 3,25  | 0,33 | 3,50  | 0,35 | 3,00  | 0,45  | 3,30               | 82,50     | 100                     | 85           | 73        | 85        | 82,53          | A     |
| Rata-rata          |             |                        | 3,44                          | 0,34 | 3,23  | 0,32  | 3,16  | 0,32 | ###   | 0,29 | 3,02  | 0,45  | 3,02  | 0,30 | 2,98  | 0,30 | 3,03  | 0,30 | 2,89  | 0,43  | 3,07               | 76,67     |                         |              |           |           |                |       |
| Konversi Skala 100 |             |                        | 86,08                         | 8,61 | 80,82 | 8,08  | 78,88 | 7,89 | 73,71 | 7,37 | 75,43 | 11,31 | 75,39 | 7,54 | 74,57 | 7,46 | 75,86 | 7,59 | 72,20 | 10,83 |                    |           | % Mahasiswa tidak lulus |              |           |           | 3%             |       |
|                    |             |                        |                               |      |       |       |       |      |       |      |       |       |       |      |       |      |       |      |       |       |                    |           | % Mahasiswa nilai A     |              |           |           | 31%            |       |
|                    |             |                        |                               |      |       | 76,29 |       |      |       |      |       |       |       |      |       |      |       |      |       |       |                    |           | % Mahasiswa nilai B     |              |           |           | 62%            |       |
|                    |             |                        |                               |      |       |       |       |      |       |      |       |       |       |      |       |      |       |      |       |       |                    |           | % Mahasiswa nilai C     |              |           |           | 3%             |       |



| NO | NIM         | NAMA                   | CLO 1  | CLO 2 | CLO 3 | CLO 4 |
|----|-------------|------------------------|--------|-------|-------|-------|
|    |             |                        | Score  | Score | Score | Score |
| 1  | 21901031031 | NOVAN RIZKI PRATAMA    | 75,00  | 75,00 | 81,25 | 78,13 |
| 2  | 21901031032 | AHMAD FIRDAUS          | 100,00 | 68,75 | 81,25 | 71,88 |
| 3  | 21901031033 | MUHAMMAD MAHDINOOR     | 100,00 | 81,25 | 81,25 | 71,88 |
| 4  | 21901031034 | NADYAH BIRRIKIE IFFADA | 75,00  | 75,00 | 75,00 | 71,88 |
| 5  | 21901031036 | FUSTHATUL QONITAH      | 75,00  | 81,25 | 75,00 | 75,00 |
| 6  | 21901031037 | MEGA AYU KARTIKA       | 75,00  | 87,50 | 81,25 | 71,88 |
| 7  | 21901031038 | FATMI OKTAVIA          | 75,00  | 81,25 | 75,00 | 68,75 |
| 8  | 21901031039 | CICI NUR HIDAYATI      | 100,00 | 75,00 | 81,25 | 70,31 |
| 9  | 21901031040 | DESYA ANASTASYA RAMADH | 75,00  | 81,25 | 75,00 | 60,94 |
| 10 | 21901031041 | AHMAD DWI FAKHRUDIN ZU | 75,00  | 75,00 | 68,75 | 68,75 |
| 11 | 21901031042 | NURMA                  | 75,00  | 75,00 | 75,00 | 71,88 |
| 12 | 21901031043 | BINTANG AULIA          | 75,00  | 81,25 | 68,75 | 78,13 |
| 13 | 21901031044 | ALAA NURROHMAN ATAABIK | 75,00  | 75,00 | 68,75 | 71,88 |
| 14 | 21901031045 | ACHMAD YOGA NUR SIFAUD | 75,00  | 56,25 | 75,00 | 71,88 |
| 15 | 21901031046 | JAKA ALIEF BAGASKARA   | 87,50  | 93,75 | 75,00 | 85,31 |
| 16 | 21901031047 | ABDULLOH KAFABIHI      | 75,00  | 75,00 | 93,75 | 83,75 |
| 17 | 21901031048 | YOFI SUTANTO           | 100,00 | 75,00 | 81,25 | 82,81 |
| 18 | 21901031049 | MUHAMMAD FAHRI FABIANS | 100,00 | 87,50 | 75,00 | 71,88 |
| 19 | 21901031050 | AMAL MA`RUF            | 62,50  | 62,50 | 68,75 | 59,38 |
| 20 | 21901031051 | AHMAD TRI SUPRIYANTO   | 100,00 | 75,00 | 81,25 | 89,06 |
| 21 | 21901031052 | DINDA FATIKASARI       | 87,50  | 87,50 | 87,50 | 81,25 |
| 22 | 21901031053 | DINDA DARA JOFITA      | 75,00  | 68,75 | 75,00 | 65,63 |
| 23 | 21901031054 | IMTIYAZ KAMILAH NURUL  | 100,00 | 75,00 | 87,50 | 82,81 |
| 24 | 21901031055 | MOHAMMAD AGAM YOGASWAR | 100,00 | 81,25 | 75,00 | 82,19 |
| 25 | 21901031056 | RAMDAN HARIS           | 87,50  | 62,50 | 75,00 | 71,88 |
| 26 | 21901031057 | MOH. SHOHIBUL BURHAN   | 96,25  | 93,75 | 75,00 | 75,00 |
| 27 | 21901031058 | AGUNG FAUZAN           | 100,00 | 75,00 | 75,00 | 71,88 |
| 28 | 21901031059 | WAHYU DIAN PRAMANA     | 100,00 | 75,00 | 75,00 | 71,88 |
| 29 | 21901031060 | ALEK PERDANA PUTRA     | 100,00 | 84,38 | 75,00 | 82,81 |

## C Class

| NO.                | NPM         | NAMA                    | SUB-CPMK/BOBOT (NILAI HARIAN) |      |       |      |       |      |       |      |       |       |       |      |       |      |       |      |       |       | NILAI HARIAN (15%) |                        | Presenc<br>e (10%) | actice (15) | UTS<br>(30%) | UAS<br>(30%) | NILAI AKHIR ** |       |
|--------------------|-------------|-------------------------|-------------------------------|------|-------|------|-------|------|-------|------|-------|-------|-------|------|-------|------|-------|------|-------|-------|--------------------|------------------------|--------------------|-------------|--------------|--------------|----------------|-------|
|                    |             |                         | 1                             |      | 2     |      | 3     |      | 4     |      | 5     |       | 6     |      | 7     |      | 8     |      | 9     |       |                    |                        |                    |             |              |              | ANGKA          | HURUF |
|                    |             |                         |                               | 10%  |       | 10%  |       | 10%  |       | 10%  |       | 15%   |       | 10%  |       | 10%  |       | 10%  |       | 15%   | Skala 4            | Skala 100              |                    |             |              |              |                |       |
| 1                  | 21901031061 | MOHAMMAD AGAM AFENDI    | 4,00                          | 0,40 | 4,00  | 0,40 | 3,00  | 0,30 | 4,00  | 0,40 | 3,50  | 0,33  | 4,00  | 0,40 | 4,00  | 0,40 | 4,00  | 0,40 | 3,00  | 0,43  | 3,08               | 91,88                  | 94                 | 82          | 73           | 08           | 78,38          | B     |
| 2                  | 21901031062 | ANDI AMIRUDIN           | 2,50                          | 0,25 | 2,50  | 0,25 | 2,00  | 0,20 | 3,00  | 0,30 | 3,00  | 0,43  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,43  | 2,80               | 70,00                  | 44                 | 0           | 0            | 0            | 14,90          | E     |
| 3                  | 21901031063 | HAFIZH NAUFALAL MUTAWA  | 4,00                          | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,34  | 0,33 | 3,50  | 0,33  | 2,50  | 0,25 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 3,13               | 78,33                  | 88                 | 9           | 08           | 08           | 62,70          | C     |
| 4                  | 21901031064 | PUTRI ARIANI            | 3,00                          | 0,30 | 3,00  | 0,30 | 4,00  | 0,40 | 3,00  | 0,30 | 2,50  | 0,38  | 3,20  | 0,32 | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,43  | 3,10               | 77,38                  | 100                | 84          | 05           | 73           | 73,61          | B     |
| 5                  | 21901031065 | SRI RIZKIATUN           | 3,00                          | 0,30 | 3,50  | 0,35 | 4,00  | 0,40 | 3,00  | 0,30 | 2,00  | 0,30  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 3,50  | 0,53  | 3,08               | 76,88                  | 100                | 82          | 00           | 73           | 73,73          | B     |
| 6                  | 21901031066 | MAULIDIAH CHOIRUNNISA'  | 3,00                          | 0,30 | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,50  | 0,33  | 2,00  | 0,20 | 3,00  | 0,30 | 3,75  | 0,38 | 3,40  | 0,51  | 3,26               | 81,50                  | 81                 | 44          | 50           | 73           | 63,83          | C     |
| 7                  | 21901031067 | MOCHAMAD NUR NUGROHO    | 3,00                          | 0,30 | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,43  | 3,50  | 0,35 | 3,50  | 0,35 | 4,00  | 0,40 | 4,00  | 0,60  | 3,40               | 85,00                  | 100                | 81          | 70           | 08           | 76,30          | B     |
| 8                  | 21901031068 | NICOLA ZAKIA CORDOVA    | 3,00                          | 0,30 | 3,00  | 0,30 | 3,50  | 0,35 | 2,00  | 0,20 | 2,50  | 0,38  | 3,00  | 0,30 | 2,75  | 0,28 | 2,50  | 0,25 | 2,75  | 0,41  | 2,76               | 69,06                  | 81                 | 59          | 0            | 92           | 54,91          | D     |
| 9                  | 21901031069 | AZIZA RIFKI FIRDAUS     | 3,00                          | 0,30 | 3,50  | 0,35 | 3,00  | 0,30 | 4,00  | 0,40 | 2,00  | 0,30  | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,25  | 0,49  | 3,19               | 79,69                  | 100                | 81          | 80           | 0            | 58,10          | C     |
| 10                 | 21901031070 | RISHA SALSA BILA        | 3,50                          | 0,35 | 4,00  | 0,40 | 3,50  | 0,35 | 3,00  | 0,30 | 4,00  | 0,60  | 3,00  | 0,30 | 3,00  | 0,30 | 3,50  | 0,35 | 2,75  | 0,41  | 3,36               | 84,06                  | 100                | 82          | 70           | 78           | 79,31          | B     |
| 11                 | 21901031071 | MUHAMMAD AWALLUDIN      | 3,00                          | 0,30 | 3,00  | 0,30 | 2,00  | 0,20 | 3,00  | 0,30 | 3,00  | 0,43  | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,43  | 2,95               | 73,75                  | 100                | 87          | 00           | 73           | 74,01          | B     |
| 12                 | 21901031072 | MOH TRYAN HIDAYAT       | 3,00                          | 0,30 | 2,50  | 0,25 | 2,50  | 0,25 | 3,00  | 0,30 | 2,50  | 0,38  | 2,50  | 0,25 | 2,50  | 0,25 | 3,00  | 0,30 | 2,50  | 0,38  | 2,65               | 66,25                  | 94                 | 79          | 40           | 68           | 63,59          | C     |
| 13                 | 21901031073 | IBROHIM KHOLILI         | 4,00                          | 0,40 | 3,00  | 0,30 | 2,50  | 0,25 | 3,00  | 0,30 | 3,00  | 0,43  | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,43  | 3,10               | 77,50                  | 100                | 42          | 77           | 75           | 73,53          | B     |
| 14                 | 21901031074 | FEBRIQA NURJAH RATUL HA | 3,00                          | 0,30 | 2,50  | 0,25 | 3,00  | 0,30 | 2,00  | 0,20 | 3,00  | 0,43  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 2,78               | 69,38                  | 100                | 78          | 00           | 73           | 72,01          | B     |
| 15                 | 21901031075 | MUHAMMAD NUR WAKHID     | 2,00                          | 0,20 | 2,00  | 0,20 | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,43  | 2,00  | 0,20 | 3,00  | 0,30 | 2,50  | 0,25 | 2,50  | 0,38  | 2,63               | 65,63                  | 94                 | 71          | 0            | 3            | 30,79          | E     |
| 16                 | 21901031076 | AHMAD SAYFUDDIN         | 4,00                          | 0,40 | 3,00  | 0,30 | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,33  | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,30 | 3,20  | 0,48  | 3,36               | 83,88                  | 94                 | 80          | 73           | 78           | 79,88          | B     |
| 17                 | 21901031077 | PRISCA AULIYA BANAFSAH  | 4,00                          | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,67  | 0,37 | 3,00  | 0,43  | 3,00  | 0,30 | 4,00  | 0,40 | 3,50  | 0,35 | 3,75  | 0,56  | 3,48               | 86,99                  | 100                | 82          | 82           | 80           | 83,95          | A     |
| 18                 | 21901031078 | FATIMATUZ ZAHRO         | 4,00                          | 0,40 | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,43  | 3,00  | 0,30 | 3,75  | 0,38 | 3,00  | 0,30 | 4,00  | 0,60  | 3,43               | 85,63                  | 100                | 83          | 80           | 81           | 83,59          | A     |
| 19                 | 21901031079 | WILUJENG PUTRI JANUART  | 3,00                          | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 4,00  | 0,40 | 3,50  | 0,33  | 3,00  | 0,30 | 4,00  | 0,40 | 3,50  | 0,35 | 3,20  | 0,48  | 3,36               | 83,88                  | 94                 | 81          | 73           | 73           | 78,53          | B     |
| 20                 | 21901031080 | ISMUHADIN SAKIR         | 2,00                          | 0,20 | 2,50  | 0,25 | 2,50  | 0,25 | 3,00  | 0,30 | 3,00  | 0,43  | 3,50  | 0,35 | 3,25  | 0,33 | 3,00  | 0,30 | 2,50  | 0,38  | 2,80               | 70,00                  | 25                 | 0           | 0            | 0            | 13,00          | E     |
| 21                 | 21901031081 | ILLYAS DHEO KURNIAWAN   | 2,00                          | 0,20 | 2,00  | 0,20 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,43  | 3,00  | 0,30 | 2,00  | 0,20 | 2,00  | 0,20 | 3,00  | 0,43  | 2,60               | 65,00                  | 94                 | 30          | 0            | 0            | 23,65          | E     |
| 22                 | 21901031082 | ISNA KHOFIFAH ASYFA     | 3,00                          | 0,30 | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,43  | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,30 | 3,75  | 0,56  | 3,31               | 82,81                  | 100                | 85          | 78           | 81           | 82,87          | A     |
| 23                 | 21901031083 | DENY KHOIRUL ABDILLAH   | 4,00                          | 0,40 | 3,00  | 0,30 | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,43  | 2,75  | 0,28 | 3,50  | 0,35 | 3,50  | 0,35 | 3,50  | 0,53  | 3,35               | 83,75                  | 94                 | 87          | 70           | 78           | 79,41          | B     |
| 24                 | 21901031084 | MOHAMMAD ABDULLAH HASB  | 4,00                          | 0,40 | 3,50  | 0,35 | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,43  | 3,50  | 0,35 | 4,00  | 0,40 | 3,00  | 0,30 | 3,65  | 0,55  | 3,40               | 84,94                  | 100                | 84          | 83           | 79           | 83,94          | A     |
| 25                 | 21901031085 | CINDI OKTAVIANA NURHID  | 3,50                          | 0,35 | 3,00  | 0,30 | 3,00  | 0,30 | 2,00  | 0,20 | 3,00  | 0,43  | 3,00  | 0,30 | 3,00  | 0,30 | 3,00  | 0,30 | 2,50  | 0,38  | 2,88               | 71,88                  | 100                | 88          | 78           | 0            | 57,38          | C     |
| 26                 | 21901031086 | SHINTA DWI CAHYA        | 3,85                          | 0,39 | 4,00  | 0,40 | 3,00  | 0,30 | 3,50  | 0,35 | 3,00  | 0,43  | 4,00  | 0,40 | 3,00  | 0,30 | 3,00  | 0,30 | 3,50  | 0,53  | 3,41               | 85,25                  | 100                | 86          | 85           | 76           | 83,99          | A     |
| 27                 | 21901031087 | LUIZINHO PIRES FREITAS  | 3,00                          | 0,30 | 2,00  | 0,20 | 2,00  | 0,20 | 2,00  | 0,20 | 2,00  | 0,30  | 2,50  | 0,25 | 2,00  | 0,20 | 3,00  | 0,30 | 3,00  | 0,43  | 2,40               | 60,00                  | 69                 | 0           | 0            | 0            | 13,90          | E     |
| Rata-rata          |             |                         | 2,91                          | 0,29 | 2,80  | 0,28 | 2,75  | 0,28 | 2,75  | 0,28 | 2,67  | 0,40  | ###   | 0,28 | 2,86  | 0,29 | 2,81  | 0,28 | 2,81  | 0,42  | 2,79               | 69,68                  |                    |             |              |              |                |       |
| Konversi Skala 100 |             |                         | 72,79                         | 7,28 | 70,00 | 7,00 | 68,75 | 6,88 | 68,76 | 6,88 | 66,67 | 10,00 | 09,54 | 6,95 | 71,40 | 7,15 | 70,21 | 7,02 | 70,17 | 10,53 |                    |                        |                    |             |              |              |                |       |
|                    |             |                         |                               |      |       |      |       |      |       |      |       |       |       |      |       |      |       |      |       |       |                    | % Mahasiwa tidak lulus |                    |             |              | 19%          |                |       |
|                    |             |                         |                               |      |       |      | 68,75 |      |       |      |       |       |       |      |       |      |       |      |       |       |                    | % Mahasiwa nilai A     |                    |             |              | 19%          |                |       |
|                    |             |                         |                               |      |       |      |       |      |       |      |       |       |       |      |       |      |       |      |       |       |                    | % Mahasiwa nilai B     |                    |             |              | 41%          |                |       |
|                    |             |                         |                               |      |       |      |       |      |       |      |       |       |       |      |       |      |       |      |       |       |                    | % Mahasiwa nilai C     |                    |             |              | 19%          |                |       |
|                    |             |                         |                               |      |       |      |       |      |       |      |       |       |       |      |       |      |       |      |       |       |                    | % Mahasiwa nilai D     |                    |             |              | 4%           |                |       |

| NO | NIM         | NAMA                    | CLO 1  | CLO 2  | CLO 3 | CLO 4 |
|----|-------------|-------------------------|--------|--------|-------|-------|
|    |             |                         | Score  | Score  | Score | Score |
| 1  | 21901031061 | MOHAMMAD AGAM AFENDI    | 100,00 | 100,00 | 81,25 | 93,75 |
| 2  | 21901031062 | ANDI AMIRUDIN           | 62,50  | 68,75  | 62,50 | 75,00 |
| 3  | 21901031063 | HAFIZH NAUFALAL MUTAWA  | 100,00 | 79,25  | 87,50 | 68,75 |
| 4  | 21901031064 | PUTRI ARIANI            | 75,00  | 75,00  | 81,25 | 79,38 |
| 5  | 21901031065 | SRI RIZKIATUN           | 75,00  | 81,25  | 75,00 | 78,13 |
| 6  | 21901031066 | MAULIDIAH CHOIRUNNISA`  | 75,00  | 93,75  | 81,25 | 75,94 |
| 7  | 21901031067 | MOCHAMAD NUR NUGROHO    | 75,00  | 81,25  | 75,00 | 93,75 |
| 8  | 21901031068 | NICOLA ZAKIA CORDOVA    | 75,00  | 62,50  | 75,00 | 68,75 |
| 9  | 21901031069 | AZIZA RIFKI FIRDAUS     | 75,00  | 93,75  | 62,50 | 85,94 |
| 10 | 21901031070 | RISHA SALSA BILA        | 87,50  | 87,50  | 93,75 | 76,56 |
| 11 | 21901031071 | MUHAMMAD AWALLUDIN      | 75,00  | 75,00  | 62,50 | 78,13 |
| 12 | 21901031072 | MOH TRYAN HIDAYAT       | 75,00  | 68,75  | 62,50 | 65,63 |
| 13 | 21901031073 | IBROHIM KHOLILI         | 100,00 | 75,00  | 68,75 | 78,13 |
| 14 | 21901031074 | FEBRIQA NURJAHRAATUL HA | 75,00  | 56,25  | 75,00 | 71,88 |
| 15 | 21901031075 | MUHAMMAD NUR WAKHID     | 50,00  | 68,75  | 75,00 | 62,50 |
| 16 | 21901031076 | AHMAD SAYFUDDIN         | 100,00 | 75,00  | 93,75 | 79,38 |
| 17 | 21901031077 | PRISCA AULIYA BANAFSAH  | 100,00 | 83,38  | 81,25 | 89,06 |
| 18 | 21901031078 | FATIMATUZ ZAHRO         | 100,00 | 87,50  | 75,00 | 85,94 |
| 19 | 21901031079 | WILUJENG PUTRI JANUART  | 75,00  | 87,50  | 81,25 | 85,63 |
| 20 | 21901031080 | ISMUHADIN SAKIR         | 50,00  | 68,75  | 68,75 | 76,56 |
| 21 | 21901031081 | ILLYAS DHEO KURNIAWAN   | 50,00  | 62,50  | 75,00 | 62,50 |
| 22 | 21901031082 | ISNA KHOFIFAH ASYFA     | 75,00  | 87,50  | 75,00 | 85,94 |
| 23 | 21901031083 | DENY KHOIRUL ABDILLAH   | 100,00 | 75,00  | 87,50 | 82,81 |
| 24 | 21901031084 | MOHAMMAD ABDULLAH HASB  | 100,00 | 81,25  | 75,00 | 88,44 |
| 25 | 21901031085 | CINDI OKTAVIANA NURHID  | 87,50  | 62,50  | 75,00 | 71,88 |
| 26 | 21901031086 | SHINTA DWI CAHYA        | 96,25  | 93,75  | 75,00 | 84,38 |
| 27 | 21901031087 | LUIZINHO PIRES FREITAS  | 75,00  | 50,00  | 50,00 | 65,63 |