Module Description
Basic Physic

Module designation	Basic Physic
Module code	23H02110703
Semester(s) in which the module is taught	1st semester
Person responsible for the module (lecturers)	Syamsuddin, S.Si., M.T.
Language	Indonesian language
Relation to curriculum	Compulsory
Teaching methods	Lecture, laboratory practice
Workload	Total workload (estimated): 27 hours of lecture 32 hours of exercise 32 hours of independent study 45 hours of laboratory practice
Credit points	3 credit points = 4.86 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/ Intended Learning Outcomes (ILO)	ILO 2. Demonstrates a comprehensive understanding of theoretical concepts and technological literacy related to food science and technology principles and food law to support professional expertise in food science and technology (K)
	CLO 1. Identification of the properties or behavior of particles/objects in physical laws and equations related to the concepts of motion, heat, electricity, magnetism, optics, and light. CLO 2. Accurate application of mathematical equations in accordance with the learning substance to obtain solutions to physics problems. CLO 3. Accurate writing of quantity symbols and appropriate units in equations in each problem set.
Content	This module delivers material about kinematics and dynamics of objects, work and energy, fluid, elasticity, heat and temperature, Coulomb law and electric field, electrical

<table>
<tr><td></td><td>current and circuits, waves and vibrations, optics and its tools, and modern physics.</td></tr>
<tr><td>Examination form</td><td>Writing (essay)</td></tr>
<tr><td>Study and examination requirements</td><td>Examination requirements: Attendance above 80%

Lecturer assessment: assignment 10%, presentation 50%, laboratory work 20%, examination 20%

Grading:
<table>
<tr><th>Numerical range</th><th>Letter grade</th><th>Conversion value</th></tr>
<tr><td>85 - 100</td><td>A</td><td>4.00</td></tr>
<tr><td>80 - < 85</td><td>A-</td><td>3.75</td></tr>
<tr><td>75 - < 80</td><td>B+</td><td>3.50</td></tr>
<tr><td>70 - < 75</td><td>B</td><td>3.00</td></tr>
<tr><td>65 - < 70</td><td>B-</td><td>2.75</td></tr>
<tr><td>60 - < 65</td><td>C+</td><td>2.50</td></tr>
<tr><td>50 - < 60</td><td>C</td><td>2.00</td></tr>
<tr><td>40 - < 50</td><td>D</td><td>1.00</td></tr>
<tr><td>< 40</td><td>E</td><td>0.00</td></tr>
</table>
If student(s) receives(s) a score below 40, student(s) must retake the course</td></tr>
<tr><td>Reading list</td><td>Handbook of Basic of Physics. TIM Dosen Universitas Hasanuddin 2017</td></tr>
<tr><td>Date of last amendment</td><td></td></tr>
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