



**UNIVERSITAS SUMATERA UTARA (USU)**  
**FAKULTAS TEKNIK**  
**DEPARTEMEN TEKNIK ELEKTRO**

**Kode Dokumen**

**RENCANA PEMBELAJARAN SEMESTER**

MATA KULIAH (MK)	KODE	Rumpun MK	BOBOT (sks)		SEMESTER	Tgl Penyusunan
<b>Dasar Teknik Elektro</b>	<b>TEE 1207</b>		<b>2</b>			<b>5 SEPTEMBER 2022</b>
<b>OTORISASI / PENGESAHAN</b>	<b>Dosen Pengembang RPS</b>		<b>Koordinator RMK</b>		<b>Ka Prodi</b>	
	Syiska Yana, ST.,MT		Ir. Eddy Warman, MT		Suherman, ST., M.Comp., Ph.D	
<b>Capaian Pembelajaran</b>	<b>CPL-PRODI yang dibebankan pada MK</b>					
	CPL-1	Mampu menerapkan pengetahuan matematika, ilmu pengetahuan alam/atau material, teknologi informasi dan rekayasa untuk mendapatkan pemahaman menyeluruh tentang prinsip-prinsip Teknik Elektro.				
	CPL-2	Mampu mendesain komponen, sistem dan/atau proses untuk memenuhi kebutuhan yang diharapkan oleh masyarakat dengan dihadapkan pada batasan realistik yang meliputi aspek hukum, ekonomi, lingkungan, sosial, politik, kesehatan dan keselamatan, keberlanjutan.				
	CPL-3	Mampu mendesain eksperimen laboratorium dan/atau lapangan serta menganalisis dan mengartikan data untuk memperkuat penilaian teknik khususnya dalam bidang Teknik Elektro.				
	CPL-4	Mampu menyelesaikan permasalahan teknik khususnya dalam bidang Teknik Elektro secara bertanggungjawab dan memenuhi etika profesi.				

CPL-5	Mampu menerapkan metode, keterampilan dan perangkat teknik modern yang diperlukan untuk praktek profesi Teknik Elektro.
CPL-6	Mampu berkomunikasi secara efektif, baik lisan maupun tulisan.
CPL-7	Mampu mengevaluasi tugas-tugas dalam batasan yang ada secara disiplin dan menyeluruh.
CPL-8	Mampu untuk bekerja dalam tim lintas disiplin dan multikultural serta global internasional.
CPL-9	Mampu untuk bertanggung jawab kepada masyarakat dan mematuhi etika profesi dalam menyelesaikan permasalahan Teknik Elektro.
CPL-10	Memiliki kapasitas pembelajaran sepanjang hayat termasuk akses pengetahuan yang relevan tentang isu-isu terkini.
CPL-11	Mampu mengidentifikasi potensi daerah di Sumatera Utara dan menerapkan inovasi, metode, keterampilan, dan perangkat teknik elektro yang relevan untuk mengembangkan potensi daerah tersebut.
CPL-12	Mampu mendesain sistem dan/atau proses untuk memanfaatkan energi baru dan terbarukan sebagai sumber energi listrik alternatif dari potensi sumber daya lokal dan nasional dengan wawasan global.
<b>Capaian Pembelajaran Mata Kuliah (CPMK)</b>	
CPMK 1	Kemampuan untuk memahami satuan dan besaran listrik serta mengaplikasikan cara kerja alat ukur listrik
CPMK 2	Kemampuan untuk memahami dan mengaplikasikan teori dan perhitungan pada rangkaian listrik serta komponen-komponen pada rangkaian listrik berikut dioda semikonduktor dan transistor
CPMK 3	Kemampuan untuk memahami dan menganalisa efek dan proses kimia listrik dan aplikasinya
CPMK 4	Kemampuan untuk memahami dan menganalisa proses terjadinya medan magnet, fluks magnet dan aplikasi rangkaian magnetik

<b>Peta CPL – CPMK</b>	<table border="1"> <thead> <tr> <th></th> <th>CPL 01</th> <th>CPL 02</th> <th>CPL 03</th> <th>CPL 04</th> <th>CPL 05</th> <th>CPL 06</th> <th>CPL 07</th> <th>CPL 08</th> <th>CPL 09</th> <th>CPL 10</th> <th>CPL 11</th> <th>CPL 12</th> </tr> </thead> <tbody> <tr> <td>CPMK 1</td> <td>v</td> <td>v</td> <td>v</td> <td>v</td> <td>v</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CPMK 2</td> <td>v</td> <td>v</td> <td>v</td> <td>v</td> <td>v</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CPMK 3</td> <td>v</td> <td>v</td> <td>v</td> <td>v</td> <td>v</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CPMK 4</td> <td>v</td> <td>v</td> <td>v</td> <td>v</td> <td>v</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		CPL 01	CPL 02	CPL 03	CPL 04	CPL 05	CPL 06	CPL 07	CPL 08	CPL 09	CPL 10	CPL 11	CPL 12	CPMK 1	v	v	v	v	v								CPMK 2	v	v	v	v	v								CPMK 3	v	v	v	v	v								CPMK 4	v	v	v	v	v							
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<b>Diskripsi Singkat MK</b>	Mata kuliah Dasar Teknik Elektro membahas tentang: satuan atau besaran listrik, komponen-komponen rangkaian listrik, rangkaian listrik secara umum, kimia listrik, rangkaian elektromagnetik, alat ukur besaran listrik dan dioda semikonduktor dan transistor																																																																	
<b>Bahan Kajian:</b> Materi pembelajaran	Dasar sistem tenaga listrik, Satuan besaran listrik, Rangkaian listrik, Resistansi, Kimia listrik, Rangkaian seri dan paralel, Kapasitor dan kapasitansi, Rangkaian magnetik, Medan elektromagnetik, Induksi elektromagnetik, Pengukuran dan alat ukur besaran listrik, Dioda semikonduktor, Transistor																																																																	
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Mg Ke-	Kemampuan akhir tiap tahapan belajar (Sub-CPMK)	Penilaian		Bantuk Pembelajaran; Metode Pembelajaran; Penugasan Mahasiswa; [ Estimasi Waktu]		Materi Pembelajaran [Pustaka]	Bobot Penilaian (%)
		Indikator	Kriteria & Teknik	Tatap Muka (5)	Daring (6)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Mahasiswa memahami sistem tenaga listrik secara umum	<ol style="list-style-type: none"> <li><i>The accuracy in providing the information required</i></li> <li><i>The student's fluency in reading the memo (spelling, intonation, and speed)</i></li> <li><i>The correctness of the student's answers</i></li> </ol>	<p><b>Kriteria:</b> <i>Marking Scheme</i></p> <p><b>Bentuk:</b> <i>Worksheet (Non-Tes)</i></p> <ol style="list-style-type: none"> <li><i>Reading the memo provided.</i></li> <li><i>Responding to the opening questions given.</i></li> <li><i>Completing the table (problem-solution) according to the information in the memo.</i></li> <li><i>Finding the word or phrase with similar meaning (synonym) according to the information in the memo.</i></li> </ol>	<p><b>BM [(1x(2x60"))]</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li><i>Reviewing the previous lessons.</i></li> <li><i>Reading the added learning materials.</i></li> <li><i>Recording the presence.</i></li> <li><i>Responding to opening questions in the 'Discussion Forum' section.</i></li> <li><i>Submitting the assigned tasks.</i></li> </ol> <p><b>PT [(1x(2x60"))]</b></p> <p><b>Task 3:</b> <i>Restating the information obtained in the form of an a-150-words paragraph.</i></p> <p><b>Moda (Learning Management System):</b></p>	<p><b>TM [(1x(2x50"))]</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li><i>Making notes of the learning materials explained.</i></li> <li><i>Responding to the questions or instructions given.</i></li> <li><i>Completing all the provided exercises individually.</i></li> <li><i>Discussing the exercises completed.</i></li> </ol> <p><b>Media:</b> <i>Power Point Presentation (PPT)</i> <i>Zoom Meeting</i> <i>Audio Recording</i> <i>English Handout</i></p> <p><b>Metode Pembelajaran:</b> <i>1. Online Lecture</i></p>	<p><b>Pokok Bahasan:</b> Dasar sistem tenaga listrik</p> <p><b>Referensi:</b> <b>1, 2 dan lainnya</b></p>	5%

			<i>Classifying the words or phrases with the correct headings.</i>	<a href="mailto:learning@usu.ac.id">learning@usu.ac.id</a>	2. Discussion 3. Self-Paced Learning		
2	Mahasiswa memahami dan menganalisa jenis-jenis sistem tenaga listrik berdasarkan sumber energi primer	<ol style="list-style-type: none"> <li><i>The accuracy in providing the information required</i></li> <li><i>The student's fluency in reading the memo (spelling, intonation, and speed)</i></li> <li><i>The correctness of the student's answers</i></li> </ol>	<p><b>Kriteria:</b> <i>Marking Scheme</i></p> <p><b>Bentuk:</b> <i>Worksheet (Non-Tes)</i></p> <ol style="list-style-type: none"> <li><i>Reading the memo provided.</i></li> <li><i>Responding to the opening questions given.</i></li> <li><i>Completing the table (problem-solution) according to the information in the memo.</i></li> <li><i>Finding the word or phrase with</i></li> </ol>	<p><b>BM [(1x(2x60"))]</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li><i>Reviewing the previous lessons.</i></li> <li><i>Reading the added learning materials.</i></li> <li><i>Recording the presence.</i></li> <li><i>Responding to opening questions in the 'Discussion Forum' section.</i></li> <li><i>Submitting the assigned tasks.</i></li> </ol> <p><b>PT [(1x(2x60"))]</b></p> <p><b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))]</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li><i>Making notes of the learning materials explained.</i></li> <li><i>Responding to the questions or instructions given.</i></li> <li><i>Completing all the provided exercises individually.</i></li> <li><i>Discussing the exercises completed.</i></li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b> Dasar sistem tenaga listrik</p> <p><b>Referensi:</b> <b>1, 2 dan lainnya</b></p>	5%

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3	Mahasiswa memahami dan menguasai satuan besaran listrik	<ol style="list-style-type: none"> <li>1. <i>The accuracy in providing the information required</i></li> <li>2. <i>The student's fluency in reading the memo (spelling, intonation, and speed)</i></li> <li>3. <i>The correctness of the student's answers</i></li> </ol>	<p><b>Kriteria:</b>  Marking Scheme</p> <p><b>Bentuk:</b>  Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. <i>Reading the memo provided.</i></li> <li>2. <i>Responding to the opening questions given.</i></li> <li>3. <i>Completing the table (problem-solution) according to the information in the memo.</i></li> <li>4. <i>Finding the word or phrase with</i></li> </ol>	<p><b>BM [(1x(2x60"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. <i>Reviewing the previous lessons.</i></li> <li>2. <i>Reading the added learning materials.</i></li> <li>3. <i>Recording the presence.</i></li> <li>4. <i>Responding to opening questions in the 'Discussion Forum' section.</i></li> <li>5. <i>Submitting the assigned tasks.</i></li> </ol> <p><b>PT [(1x(2x60"))</b></p> <p><b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. <i>Making notes of the learning materials explained.</i></li> <li>2. <i>Responding to the questions or instructions given.</i></li> <li>3. <i>Completing all the provided exercises individually.</i></li> <li>4. <i>Discussing the exercises completed.</i></li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b>  Satuan besaran listrik</p> <p><b>Referensi:</b>  <b>1, 2 dan lainnya</b></p>	5%

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4	Mahasiswa mampu memahami dan menganalisa rangkaian listrik	<ol style="list-style-type: none"> <li>1. <i>The accuracy in providing the information required</i></li> <li>2. <i>The student's fluency in reading the memo (spelling, intonation, and speed)</i></li> <li>3. <i>The correctness of the student's answers</i></li> </ol>	<p><b>Kriteria:</b>  Marking Scheme</p> <p><b>Bentuk:</b>  Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. <i>Reading the memo provided.</i></li> <li>2. <i>Responding to the opening questions given.</i></li> <li>3. <i>Completing the table (problem-solution) according to the information in the memo.</i></li> <li>4. <i>Finding the word or phrase with</i></li> </ol>	<p><b>BM [(1x(2x60"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. <i>Reviewing the previous lessons.</i></li> <li>2. <i>Reading the added learning materials.</i></li> <li>3. <i>Recording the presence.</i></li> <li>4. <i>Responding to opening questions in the 'Discussion Forum' section.</i></li> <li>5. <i>Submitting the assigned tasks.</i></li> </ol> <p><b>PT [(1x(2x60"))</b></p> <p><b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. <i>Making notes of the learning materials explained.</i></li> <li>2. <i>Responding to the questions or instructions given.</i></li> <li>3. <i>Completing all the provided exercises individually.</i></li> <li>4. <i>Discussing the exercises completed.</i></li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b>  Rangkaian listrik</p> <p><b>Referensi:</b>  <b>1, 2 dan lainnya</b></p>	5%

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5	Mahasiswa mampu memahami dan menganalisa fungsi dan kerja resistansi	<ol style="list-style-type: none"> <li>1. The accuracy in providing the information required</li> <li>2. The student's fluency in reading the memo (spelling, intonation, and speed)</li> <li>3. The correctness of the student's answers</li> </ol>	<p><b>Kriteria:</b>  Marking Scheme</p> <p><b>Bentuk:</b>  Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. Reading the memo provided.</li> <li>2. Responding to the opening questions given.</li> <li>3. Completing the table (problem-solution) according to the information in the memo.</li> <li>4. Finding the word or phrase with</li> </ol>	<p><b>BM [(1x(2x60"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Reviewing the previous lessons.</li> <li>2. Reading the added learning materials.</li> <li>3. Recording the presence.</li> <li>4. Responding to opening questions in the 'Discussion Forum' section.</li> <li>5. Submitting the assigned tasks.</li> </ol> <p><b>PT [(1x(2x60"))</b></p> <p><b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Making notes of the learning materials explained.</li> <li>2. Responding to the questions or instructions given.</li> <li>3. Completing all the provided exercises individually.</li> <li>4. Discussing the exercises completed.</li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b>  Resistansi</p> <p><b>Referensi:</b>  <b>1, 2 dan lainnya</b></p>	5%

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6.	Mahasiswa mampu memahami dan menganalisa proses terjadinya kimia listrik dan aplikasinya	<ol style="list-style-type: none"> <li>1. The accuracy in providing the information required</li> <li>2. The student's fluency in reading the memo (spelling, intonation, and speed)</li> <li>3. The correctness of the student's answers</li> </ol>	<p><b>Kriteria:</b>  Marking Scheme</p> <p><b>Bentuk:</b>  Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. Reading the memo provided.</li> <li>2. Responding to the opening questions given.</li> <li>3. Completing the table (problem-solution) according to the information in the memo.</li> <li>4. Finding the word or phrase with</li> </ol>	<p><b>BM [(1x(2x60"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Reviewing the previous lessons.</li> <li>2. Reading the added learning materials.</li> <li>3. Recording the presence.</li> <li>4. Responding to opening questions in the 'Discussion Forum' section.</li> <li>5. Submitting the assigned tasks.</li> </ol> <p><b>PT [(1x(2x60"))</b></p> <p><b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Making notes of the learning materials explained.</li> <li>2. Responding to the questions or instructions given.</li> <li>3. Completing all the provided exercises individually.</li> <li>4. Discussing the exercises completed.</li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b>  Kimia listrik</p> <p><b>Referensi:</b>  <b>1, 2 dan lainnya</b></p>

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7	Mahasiswa mampu memahami dan menganalisa rangkaian seri dan paralel	<ol style="list-style-type: none"> <li>1. The accuracy in providing the information required</li> <li>2. The student's fluency in reading the memo (spelling, intonation, and speed)</li> <li>3. The correctness of the student's answers</li> </ol>	<p><b>Kriteria:</b>  Marking Scheme</p> <p><b>Bentuk:</b>  Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. Reading the memo provided.</li> <li>2. Responding to the opening questions given.</li> <li>3. Completing the table (problem-solution) according to the information in the memo.</li> <li>4. Finding the word or phrase with</li> </ol>	<p><b>BM [(1x(2x60"))</b>  <b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Reviewing the previous lessons.</li> <li>2. Reading the added learning materials.</li> <li>3. Recording the presence.</li> <li>4. Responding to opening questions in the 'Discussion Forum' section.</li> <li>5. Submitting the assigned tasks.</li> </ol> <p><b>PT [(1x(2x60"))</b>  <b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))</b>  <b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Making notes of the learning materials explained.</li> <li>2. Responding to the questions or instructions given.</li> <li>3. Completing all the provided exercises individually.</li> <li>4. Discussing the exercises completed.</li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b>  Rangkaian seri dan paralel</p> <p><b>Referensi:</b>  <b>1, 2 dan lainnya</b></p>	5%

			<p>similar meaning (synonym) according to the information in the memo. Classifying the words or phrases with the correct headings.</p>	<p>Restating the information obtained in the form of an a-150-words paragraph.</p> <p><b>Moda (Learning Management System):</b>  <a href="mailto:elearning@usu.ac.id">elearning@usu.ac.id</a></p>	<p>Power Point Presentation (PPT)  Zoom Meeting  Audio Recording  English Handout</p> <p><b>Metode Pembelajaran:</b></p> <ol style="list-style-type: none"> <li>1. Online Lecture</li> <li>2. Discussion</li> <li>3. Self-Paced Learning</li> </ol>		
8	UJIAN TENGAH SEMESTER						
9	Mahasiswa mampu memahami dan menganalisa fungsi dan kerja kapasitor dan kapasitansi	<ol style="list-style-type: none"> <li>1. <i>The accuracy in providing the information required</i></li> <li>2. <i>The student's fluency in reading the memo (spelling, intonation, and speed)</i></li> <li>3. <i>The correctness of the student's answers</i></li> </ol>	<p><b>Kriteria:</b>  Marking Scheme</p> <p><b>Bentuk:</b>  Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. <i>Reading the memo provided.</i></li> <li>2. <i>Responding to the opening questions given.</i></li> <li>3. <i>Completing the table (problem-solution) according to the information in the memo.</i></li> </ol>	<p><b>BM [(1x(2x60"))]</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. <i>Reviewing the previous lessons.</i></li> <li>2. <i>Reading the added learning materials.</i></li> <li>3. <i>Recording the presence.</i></li> <li>4. <i>Responding to opening questions in the 'Discussion Forum' section.</i></li> <li>5. <i>Submitting the assigned tasks.</i></li> </ol> <p><b>PT [(1x(2x60"))]</b></p>	<p><b>TM [(1x(2x50"))]</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. <i>Making notes of the learning materials explained.</i></li> <li>2. <i>Responding to the questions or instructions given.</i></li> <li>3. <i>Completing all the provided exercises individually.</i></li> <li>4. <i>Discussing the exercises completed.</i></li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b>  Kapasitor dan kapasitansi</p> <p><b>Referensi:</b>  <b>1, 2 dan lainnya</b></p>	5%

			<p>4. <i>Finding the word or phrase with similar meaning (synonym) according to the information in the memo. Classifying the words or phrases with the correct headings.</i></p>	<p><b>Task 3:</b> <i>Restating the information obtained in the form of an a-150-words paragraph.</i></p> <p><b>Moda (Learning Management System):</b> <a href="mailto:learning@usu.ac.id">learning@usu.ac.id</a></p>	<p><i>Power Point Presentation (PPT)</i> <i>Zoom Meeting</i> <i>Audio Recording</i> <i>English Handout</i></p> <p><b>Metode Pembelajaran:</b> 1. <i>Online Lecture</i> 2. <i>Discussion</i> 3. <i>Self-Paced Learning</i></p>		
10	Mahasiswa mampu memahami dan menganalisa rangkaian magnetik	<p>1. <i>The accuracy in providing the information required</i></p> <p>2. <i>The student's fluency in reading the memo (spelling, intonation, and speed)</i></p> <p>3. <i>The correctness of the student's answers</i></p>	<p><b>Kriteria:</b> <i>Marking Scheme</i></p> <p><b>Bentuk:</b> <i>Worksheet (Non-Tes)</i></p> <p>1. <i>Reading the memo provided.</i></p> <p>2. <i>Responding to the opening questions given.</i></p> <p>3. <i>Completing the table (problem-solution) according to the information in the memo.</i></p> <p>4. <i>Finding the word or phrase with similar meaning (synonym)</i></p>	<p><b>BM [(1x(2x60"))]</b></p> <p><b>Kegiatan:</b></p> <p>1. <i>Reviewing the previous lessons.</i></p> <p>2. <i>Reading the added learning materials.</i></p> <p>3. <i>Recording the presence.</i></p> <p>4. <i>Responding to opening questions in the 'Discussion Forum' section.</i></p> <p>5. <i>Submitting the assigned tasks.</i></p> <p><b>PT [(1x(2x60"))]</b></p> <p><b>Task 3:</b> <i>Restating the information obtained in the form</i></p>	<p><b>TM [(1x(2x50"))]</b></p> <p><b>Kegiatan:</b></p> <p>1. <i>Making notes of the learning materials explained.</i></p> <p>2. <i>Responding to the questions or instructions given.</i></p> <p>3. <i>Completing all the provided exercises individually.</i></p> <p>4. <i>Discussing the exercises completed.</i></p> <p><b>Media:</b> <i>Power Point Presentation (PPT)</i> <i>Zoom Meeting</i> <i>Audio Recording</i></p>	<p><b>Pokok Bahasan:</b> Rangkaian magnetik</p> <p><b>Referensi:</b> <b>1, 2 dan lainnya</b></p>	5%

			<p>according to the information in the memo. Classifying the words or phrases with the correct headings.</p>	<p>of an a-150-words paragraph.</p> <p><b>Moda (Learning Management System):</b>  <a href="mailto:learning@usu.ac.id">learning@usu.ac.id</a></p>	<p>English Handout</p> <p><b>Metode Pembelajaran:</b></p> <ol style="list-style-type: none"> <li>1. Online Lecture</li> <li>2. Discussion</li> <li>3. Self-Paced Learning</li> </ol>		
11	Mahasiswa mampu memahami dan menganalisa proses medan elektromagnetik	<ol style="list-style-type: none"> <li>1. The accuracy in providing the information required</li> <li>2. The student's fluency in reading the memo (spelling, intonation, and speed)</li> <li>3. The correctness of the student's answers</li> </ol>	<p><b>Kriteria:</b> Marking Scheme</p> <p><b>Bentuk:</b> Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. Reading the memo provided.</li> <li>2. Responding to the opening questions given.</li> <li>3. Completing the table (problem-solution) according to the information in the memo.</li> <li>4. Finding the word or phrase with</li> </ol>	<p><b>BM [(1x(2x60"))]</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Reviewing the previous lessons.</li> <li>2. Reading the added learning materials.</li> <li>3. Recording the presence.</li> <li>4. Responding to opening questions in the 'Discussion Forum' section.</li> <li>5. Submitting the assigned tasks.</li> </ol> <p><b>PT [(1x(2x60"))]</b></p> <p><b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))]</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Making notes of the learning materials explained.</li> <li>2. Responding to the questions or instructions given.</li> <li>3. Completing all the provided exercises individually.</li> <li>4. Discussing the exercises completed.</li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b> Medan elektromagnetik</p> <p><b>Referensi:</b> 1, 2 dan lainnya</p>	5%

			<p>similar meaning (synonym) according to the information in the memo. Classifying the words or phrases with the correct headings.</p>	<p>Restating the information obtained in the form of an a-150-words paragraph.</p> <p><b>Moda (Learning Management System):</b>  <a href="mailto:elarning@usu.ac.id">elarning@usu.ac.id</a></p>	<p>Power Point Presentation (PPT)  Zoom Meeting  Audio Recording  English Handout</p> <p><b>Metode Pembelajaran:</b></p> <ol style="list-style-type: none"> <li>1. Online Lecture</li> <li>2. Discussion</li> <li>3. Self-Paced Learning</li> </ol>		
12	Mahasiswa mampu memahami dan menganalisa proses induksi elektromagnetik	<ol style="list-style-type: none"> <li>1. The accuracy in providing the information required</li> <li>2. The student's fluency in reading the memo (spelling, intonation, and speed)</li> <li>3. The correctness of the student's answers</li> </ol>	<p><b>Kriteria:</b>  Marking Scheme</p> <p><b>Bentuk:</b>  Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. Reading the memo provided.</li> <li>2. Responding to the opening questions given.</li> <li>3. Completing the table (problem-solution) according to the information in the memo.</li> <li>4. Finding the word or phrase with</li> </ol>	<p><b>BM [(1x(2x60"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Reviewing the previous lessons.</li> <li>2. Reading the added learning materials.</li> <li>3. Recording the presence.</li> <li>4. Responding to opening questions in the 'Discussion Forum' section.</li> <li>5. Submitting the assigned tasks.</li> </ol> <p><b>PT [(1x(2x60"))</b></p> <p><b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Making notes of the learning materials explained.</li> <li>2. Responding to the questions or instructions given.</li> <li>3. Completing all the provided exercises individually.</li> <li>4. Discussing the exercises completed.</li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b>  Induksi elektromagnetik</p> <p><b>Referensi:</b>  <b>1, 2 dan lainnya</b></p>	5%

			<p>similar meaning (synonym) according to the information in the memo. Classifying the words or phrases with the correct headings.</p>	<p>Restating the information obtained in the form of an a-150-words paragraph.</p> <p><b>Moda (Learning Management System):</b>  <a href="mailto:elearning@usu.ac.id">elearning@usu.ac.id</a></p>	<p>Power Point Presentation (PPT)  Zoom Meeting  Audio Recording  English Handout</p> <p><b>Metode Pembelajaran:</b></p> <ol style="list-style-type: none"> <li>1. Online Lecture</li> <li>2. Discussion</li> <li>3. Self-Paced Learning</li> </ol>	
13	Mahasiswa mampu memahami dan menganalisa fungsi dan kerja serta mengaplikasin pengukuran besaran listrik	<ol style="list-style-type: none"> <li>1. <i>The accuracy in providing the information required</i></li> <li>2. <i>The student's fluency in reading the memo (spelling, intonation, and speed)</i></li> <li>3. <i>The correctness of the student's answers</i></li> </ol>	<p><b>Kriteria:</b>  Marking Scheme</p> <p><b>Bentuk:</b>  Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. <i>Reading the memo provided.</i></li> <li>2. <i>Responding to the opening questions given.</i></li> <li>3. <i>Completing the table (problem-solution) according to the information in the memo.</i></li> <li>4. <i>Finding the word or phrase with</i></li> </ol>	<p><b>BM [(1x(2x60"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. <i>Reviewing the previous lessons.</i></li> <li>2. <i>Reading the added learning materials.</i></li> <li>3. <i>Recording the presence.</i></li> <li>4. <i>Responding to opening questions in the 'Discussion Forum' section.</i></li> <li>5. <i>Submitting the assigned tasks.</i></li> </ol> <p><b>PT [(1x(2x60"))</b></p> <p><b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. <i>Making notes of the learning materials explained.</i></li> <li>2. <i>Responding to the questions or instructions given.</i></li> <li>3. <i>Completing all the provided exercises individually.</i></li> <li>4. <i>Discussing the exercises completed.</i></li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b>  Pengukuran dan alat ukur besaran listrik</p> <p><b>Referensi:</b>  <b>1, 2 dan lainnya</b></p>

			<p>similar meaning (synonym) according to the information in the memo. Classifying the words or phrases with the correct headings.</p>	<p>Restating the information obtained in the form of an a-150-words paragraph.</p> <p><b>Moda (Learning Management System):</b>  <a href="mailto:elearning@usu.ac.id">elearning@usu.ac.id</a></p>	<p>Power Point Presentation (PPT)  Zoom Meeting  Audio Recording  English Handout</p> <p><b>Metode Pembelajaran:</b></p> <ol style="list-style-type: none"> <li>1. Online Lecture</li> <li>2. Discussion</li> <li>3. Self-Paced Learning</li> </ol>		
14	Mahasiswa mampu memahami dan menganalisa fungsi dan kerja dioda semikonduktor	<ol style="list-style-type: none"> <li>1. The accuracy in providing the information required</li> <li>2. The student's fluency in reading the memo (spelling, intonation, and speed)</li> <li>3. The correctness of the student's answers</li> </ol>	<p><b>Kriteria:</b>  Marking Scheme</p> <p><b>Bentuk:</b>  Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. Reading the memo provided.</li> <li>2. Responding to the opening questions given.</li> <li>3. Completing the table (problem-solution) according to the information in the memo.</li> <li>4. Finding the word or phrase with</li> </ol>	<p><b>BM [(1x(2x60"))</b>  <b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Reviewing the previous lessons.</li> <li>2. Reading the added learning materials.</li> <li>3. Recording the presence.</li> <li>4. Responding to opening questions in the 'Discussion Forum' section.</li> <li>5. Submitting the assigned tasks.</li> </ol> <p><b>PT [(1x(2x60"))</b>  <b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))</b>  <b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. Making notes of the learning materials explained.</li> <li>2. Responding to the questions or instructions given.</li> <li>3. Completing all the provided exercises individually.</li> <li>4. Discussing the exercises completed.</li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b>  Dioda semikonduktor</p> <p><b>Referensi:</b>  <b>1, 2 dan lainnya</b></p>	5%

			<p>similar meaning (synonym) according to the information in the memo. Classifying the words or phrases with the correct headings.</p>	<p>Restating the information obtained in the form of an a-150-words paragraph.</p> <p><b>Moda (Learning Management System):</b>  <a href="mailto:elearning@usu.ac.id">elearning@usu.ac.id</a></p>	<p>Power Point Presentation (PPT)  Zoom Meeting  Audio Recording  English Handout</p> <p><b>Metode Pembelajaran:</b></p> <ol style="list-style-type: none"> <li>1. Online Lecture</li> <li>2. Discussion</li> <li>3. Self-Paced Learning</li> </ol>		
15	Mahasiswa mampu memahami dan menganalisa fungsi dan kerja transistor	<ol style="list-style-type: none"> <li>1. <i>The accuracy in providing the information required</i></li> <li>2. <i>The student's fluency in reading the memo (spelling, intonation, and speed)</i></li> <li>3. <i>The correctness of the student's answers</i></li> </ol>	<p><b>Kriteria:</b>  Marking Scheme</p> <p><b>Bentuk:</b>  Worksheet (Non-Tes)</p> <ol style="list-style-type: none"> <li>1. <i>Reading the memo provided.</i></li> <li>2. <i>Responding to the opening questions given.</i></li> <li>3. <i>Completing the table (problem-solution) according to the information in the memo.</i></li> <li>4. <i>Finding the word or phrase with</i></li> </ol>	<p><b>BM [(1x(2x60"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. <i>Reviewing the previous lessons.</i></li> <li>2. <i>Reading the added learning materials.</i></li> <li>3. <i>Recording the presence.</i></li> <li>4. <i>Responding to opening questions in the 'Discussion Forum' section.</i></li> <li>5. <i>Submitting the assigned tasks.</i></li> </ol> <p><b>PT [(1x(2x60"))</b></p> <p><b>Task 3:</b></p>	<p><b>TM [(1x(2x50"))</b></p> <p><b>Kegiatan:</b></p> <ol style="list-style-type: none"> <li>1. <i>Making notes of the learning materials explained.</i></li> <li>2. <i>Responding to the questions or instructions given.</i></li> <li>3. <i>Completing all the provided exercises individually.</i></li> <li>4. <i>Discussing the exercises completed.</i></li> </ol> <p><b>Media:</b></p>	<p><b>Pokok Bahasan:</b>  Transistor</p> <p><b>Referensi:</b>  <b>1, 2 dan lainnya</b></p>	5%

			<p><i>similar meaning (synonym) according to the information in the memo. Classifying the words or phrases with the correct headings.</i></p>	<p><i>Restating the information obtained in the form of an a-150-words paragraph.</i></p> <p><b>Moda (Learning Management System):</b>  <a href="mailto:learning@usu.ac.id">learning@usu.ac.id</a></p>	<p><i>Power Point Presentation (PPT) Zoom Meeting Audio Recording English Handout</i></p> <p><b>Metode Pembelajaran:</b></p> <ol style="list-style-type: none"> <li>1. Online Lecture</li> <li>2. Discussion</li> <li>3. Self-Paced Learning</li> </ol>	
16	UJIAN AKHIR SEMESTER					
	<b>Total</b>					<b>100</b>