

LAMPIRAN III KEPUTUSAN DIREKTUR  
POLITEKNIK PENERBANGA SURABAYA NOMOR  
KP-POLTEKBANG.SBY 1267 TAHUN 2024  
TENTANG PELAKSANAAN KURIKULUM  
PROGRAM STUDI DI LINGKUNGAN  
POLITEKNIK PENERBANGAN SURABAYA  
TAHUN AKADEMIK 2024/2025

KURIKULUM SERTA SEBARAN MATA KULIAH  
PROGRAM STUDI TEKNIK PESAWAT UDARA PROGRAM DIPLOMA TIGA  
POLITEKNIK PENERBANGAN SURABAYA

A. BIDANG KEAHLIAN PEMINATAN A1, A3, DAN A4  
SEMESTER I

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUB1001	Mathematics	2	1	3
2	5TPUB1002	Physics	2	1	3
3	5TPUB1003	Chemistry	2	1	3
4	5TPUA4004	Bahasa Indonesia	2	0	2
5	5TPUA4001	Religion	2	0	2
6	5TPUC1001	Basic Workshop Theory	2	2	4
7	5TPUC1002	Aircraft Hardware	2	2	4
8	5TPUC1003	Basic Aircraft Material	2	1	3
<b>JUMLAH</b>			<b>16</b>	<b>8</b>	<b>24</b>

SEMESTER II

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUB2004	Technical English and Communication English	1	1	2
2	5TPUB2006	Technical Drawing	2	1	3
3	5TPUB2001	Human Factor	1	1	2
4	5TPUC2004	Aircraft Structure Equipment & Furnishing	2	2	4
5	5TPUC2005	Aerodynamic Aeroplane	2	1	3
6	5TPUC2006	Aircraft Mechanical System	2	1	3
7	5TPUC2007	Aircraft Instrument	2	1	3
8	5TPUA6002	Pancasila	2	0	2
<b>JUMLAH</b>			<b>14</b>	<b>8</b>	<b>22</b>

SEMESTER III

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUC3008	Aviation Regulation	2	0	2
2	5TPUC3009	Sheet Metal & Composite Repair	2	2	4
3	5TPUC3010	Aircraft Cabin Environmental System	2	1	3
4	5TPUC3011	Electrical System	2	2	4
5	5TPUC3012	Electrical Wiring Integrated System	2	1	3
6	5TPUC3013	Piston Engine Fundamental	2	1	3
7	5TPUC3014	Gas Turbine Engine Fundamental	2	1	3

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
8	5TPUA4003	Citizenship (Kewarganegaraan)	2	0	2
<b>JUMLAH</b>			<b>16</b>	<b>8</b>	<b>24</b>

SEMESTER IV

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUD4002	Entrepreneurship	2	0	2
2	5TPUC4015	Inspection Technic & Aircraft Handling	2	2	4
3	5TPUC4016	Aircraft Maintenance Procedure	2	1	3
4	5TPUC4017	Piston Engine Basic Maintenance	0	3	3
5	5TPUC4018	Gas Turbine Engine Basic Maintenance	0	3	3
6	5TPUE4002	Metode Penelitian	2	0	2
7	5TPUD6003	Basic Incident & Accident Investigation	1	1	2
<b>JUMLAH</b>			<b>9</b>	<b>10</b>	<b>19</b>

SEMESTER V

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUC5019	Propeller	2	1	3
2	5TPUC5020	Sytem & Performance of Piston Engine	2	2	4
3	5TPUC5021	Sytem & Performance of Gas Turbine Engine	2	2	4
4	5TPUC5022	Aircraft Basic Maintenance System	0	3	3
5	5TPUE5001	On The Job Training	0	3	3
<b>JUMLAH</b>			<b>6</b>	<b>11</b>	<b>17</b>

SEMESTER VI

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUB6005	English Proficiency Listening & Speaking	1	1	2
2	5TPUC6023	Aircraft Heavy Maintenance Sytem	0	3	3
3	5TPUC6024	Gas Turbine Engine Heavy Maintenance	0	3	3
4	5TPUC6025	Piston Engine Heavy Maintenance	0	3	3
5	5TPUE6003	Tugas Akhir	0	2	2
<b>JUMLAH</b>			<b>1</b>	<b>12</b>	<b>13</b>

<b>JUMLAH SKS TOTAL</b>	<b>62</b>	<b>57</b>	<b>119</b>
<b>JUMLAH JAM TOTAL</b>	<b>62</b>	<b>171</b>	<b>233</b>
<b>BOBOT PERSENTASE (%) TEORI DAN PRAKTEK</b>	<b>26%</b>	<b>74%</b>	<b>100%</b>

B. BIDANG KEAHLIAN PEMINATAN A2, A3, DAN A4  
SEMESTER I

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUB1001	Mathematics	2	1	3
2	5TPUB1002	Physics	2	1	3
3	5TPUB1003	Chemistry	2	1	3
4	5TPUC1001	Basic Workshop Theory	2	2	4
5	5TPUC1002	Aircraft Hardware	2	2	4
6	5TPUC1003	Basic Aircraft Material	2	1	3
7	5TPUA4004	Bahasa Indonesia	2	0	2
8	5TPUA4001	Religion	2	0	2
<b>JUMLAH</b>			<b>16</b>	<b>8</b>	<b>24</b>

SEMESTER II

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUB2004	Technical English and Communication English	1	1	2
2	5TPUB2006	Technical Drawing	2	1	3
3	5TPUB2001	Human Factor	1	1	2
4	5TPUC2004	Helicopter Structure Equipment & Furnishing	2	2	4
5	5TPUC2005	Aerodynamic Aeroplane	2	1	3
6	5TPUC2006	Aircraft Mechanical System	2	1	3
7	5TPUC2007	Aircraft Instrument	2	1	3
8	5TPUA6002	Pancasila	2	0	2
<b>JUMLAH</b>			<b>14</b>	<b>8</b>	<b>22</b>

SEMESTER III

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUC3008	Aviation Regulation	2	0	2
2	5TPUC3009	Sheet Metal & Composite Repair	2	2	4
3	5TPUC3010	Aircraft Cabin Environmental System	2	1	3
4	5TPUC3011	Electrical System	2	2	4
5	5TPUC3012	Electrical Wiring Integrated System	2	1	3
6	5TPUC3013	Piston Engine Fundamental	2	1	3
7	5TPUC3014	Gas Turbine Engine Fundamental	2	1	3
8	5TPUA4003	Citizenship (Kewarganegaraan)	2	0	2
<b>JUMLAH</b>			<b>16</b>	<b>8</b>	<b>24</b>

SEMESTER IV

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUD4002	Entrepreneurship	2	0	2
2	5TPUC4015	Inspection Technic & Aircraft Handling	2	2	4
3	5TPUC4016	Aircraft Maintenance Procedure	2	1	3
4	5TPUC4017	Piston Engine Basic Maintenance	0	3	3
5	5TPUC4018	Gas Turbine Engine Basic Maintenance	0	3	3
6	5TPUE4002	Metode Penelitian	2	0	2
7	5TPUD6003	Basic Incident & Accident Investigation	1	1	2
<b>JUMLAH</b>			<b>9</b>	<b>10</b>	<b>19</b>

SEMESTER V

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUC5019	Aerodynamic and Helicopter Performance	2	1	3
2	5TPUC5020	Sytem & Performance of Piston Engine	2	2	4
3	5TPUC5021	Sytem & Performance of Gas Turbine Engine	2	2	4
4	5TPUC5022	Aircraft Basic Maintenance System	0	3	3
5	5TPUE5001	On The Job Training	0	3	3
<b>JUMLAH</b>			<b>6</b>	<b>11</b>	<b>17</b>

SEMESTER VI

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUE6003	Tugas Akhir	0	2	2
2	5TPUB6005	English Proficiency Listening & Speaking	1	1	3
3	5TPUC6023	Aircraft Heavy Maintenance Sytem	0	3	3
4	5TPUC6024	Gas Turbine Engine Heavy Maintenance	0	3	3
5	5TPUC6025	Piston Engine Heavy Maintenance	0	3	3
<b>JUMLAH</b>			<b>1</b>	<b>13</b>	<b>14</b>

<b>JUMLAH SKS TOTAL</b>	<b>62</b>	<b>57</b>	<b>119</b>
<b>JUMLAH JAM TOTAL</b>	<b>62</b>	<b>171</b>	<b>233</b>
<b>BOBOT PERSENTASE (%) TEORI DAN PRAKTEK</b>	<b>26%</b>	<b>74%</b>	<b>100%</b>

C. BIDANG KEAHLIAN PEMINATAN C1, C2, DAN C4  
SEMESTER I

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUA1004	Bahasa Indonesia	2	0	2
2	5TPUB2007	Digital Technics Fundamnetal	2	1	3
3	5TPUB1001	Mathematics	2	1	3
4	5TPUB1002	Physics	2	1	3
5	5TPUB1003	Chemistry	2	1	3
6	5TPUC1001	Basic Workshop Theory for Avionic	2	2	4
7	5TPUC1002	Aircraft Hardware for Avionic	2	1	3
8	5TPUA4001	Religion	2	0	2
<b>JUMLAH</b>			<b>16</b>	<b>7</b>	<b>23</b>

SEMESTER II

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUB2006	Technical Drawing	2	1	3
2	5TPUB1004	Technical English and Communication English	1	1	3
3	5TPUC2003	Aircraft Mechanical System for Aviation	2	1	3
4	5TPUC2004	Electrical Fundamental	2	2	4
5	5TPUC2005	Electronic Fundamental	2	2	4
6	5TPUC2006	Aerodynamics Aeroplane & Helicopter	2	1	3
<b>JUMLAH</b>			<b>11</b>	<b>8</b>	<b>20</b>

SEMESTER III

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUC3007	Applied Digital Techniques	2	1	3
2	5TPUC3008	Electrical System for Avionic	2	2	4
3	5TPUC3009	Aircraft Instrument System	2	2	4
4	5TPUC3010	Aircraft Propulsion	2	1	3
5	5TPUC3011	Aircraft Computer	2	1	3
6	5TPUC3012	Electrical Wiring Integrated System (EWIS)	2	1	3
7	5TPUC3013	Aviation Regulation	2	0	2
<b>JUMLAH</b>			<b>14</b>	<b>8</b>	<b>22</b>

SEMESTER IV

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUE4002	Metode Penelitian	2	0	2
2	5TPUC3014	Aircraft Cabin Environment System for Avionic	2	1	3
3	5TPUC4015	Integrated Modular Avionic (IMA)	2	1	3
4	5TPUC4016	Aircraft Airborne Navigation	2	1	3
5	5TPUC4017	Aircraft Communications	2	1	3

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
6	5TPUC4018	Cabin System	2	1	3
7	5TPUD4001	Human Factor	2	1	3
<b>JUMLAH</b>			<b>14</b>	<b>6</b>	<b>20</b>

SEMESTER V

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUA6002	Pancasila	2	0	2
2	5TPUD5003	Basic Incident & Accident Investigation	2	1	3
3	5TPUC5019	Electronic Instrument System	2	2	4
4	5TPUC5020	Aircraft Furnishing and Equipment for Avionic	2	0	2
5	5TPUC5021	Autoflight System Aeroplane	2	1	3
6	5TPUC5022	Inspection Technic and Aircraft Handling for Avionic	2	1	3
7	5TPUE5001	On The Job Training	0	3	3
<b>JUMLAH</b>			<b>12</b>	<b>8</b>	<b>20</b>

SEMESTER VI

NO	KODE MATA KULIAH	MATA KULIAH	SKS		
			T	P	JUMLAH
1	5TPUA6003	Citizenship (Kewarganegaraan)	2	0	2
2	5TPUB6005	English Proficiency Listening and Speaking	1	1	2
3	5TPUC6023	Cockpit Instrumentation System	2	0	2
4	STPUC6024	Autoflight System Helicopter	2	1	3
5	STPUC6025	Avionic Maintenance System	0	3	3
6	STPUD6002	Entrepreneurship	2	0	2
7	5TPUE6003	Tugas Akhir	0	2	2
<b>JUMLAH</b>			<b>9</b>	<b>7</b>	<b>16</b>

<b>JUMLAH SKS TOTAL</b>	<b>62</b>	<b>58</b>	<b>120</b>
<b>JUMLAH JAM TOTAL</b>	<b>62</b>	<b>174</b>	<b>236</b>
<b>BOBOT PERSENTASE (%) TEORI DAN PRAKTEK</b>	<b>26%</b>	<b>74%</b>	<b>100%</b>

DIREKTUR,



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