

KISI KISI SOAL UKG PAKET KEAHLIAN

PEMELIHARAAN DAN PERBAIKAN MOTOR DAN RANGKA PESAWAT UDARA

| No. | Kompetensi Utama | STANDAR KOMPETENSI GURU | | |
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| | | Kompetensi Inti Guru | Kompetensi Guru Mata Pelajaran/ Kelas /Keahlian /BK) | Indikator Esensial/ Indikator Pencapaian Kompetensi (IPK) |
| L-1 | | Profesional | Penerapan Aircraft Drawing. | 1. Membandingkan gambar proyeksi orthogonal dan proyeksi pictorial. |
| | | | | 2. Membuat gambar potongan dengan ukuran dan simbol simbol yang benar Memilih perintah perintah CAD 2 dimensi. |
| | | | | 3. Membuat gambar komponen pesawat udara menggunakan bantuan CAD 2 dimensi. |
| L-2 | | Profesional | Penerapan Aircraft Structure | 1. Mengevaluasi Aircraft Structure General Concepts. |
| | | | | 2. Menganalisis Aircraft Wing Stabilizers and Flight Control Surface |
| | | | | 3. Mengevaluasi Aircraft Servicing and Ground Handling. |
| L-3 | | Profesional | Perawatan dan Perbaikan Aircraft | 1. Melakukan perawatan Aircraft Fuselage. |
| | | | | 2. Mengecek pekerjaan splice repair of stringer. |
| | | | | 3. Melakukan pekerjaan Lap patch repair of aircraft skin. |
| | | | | 4. Mengelola pelaksanaan Symmetrical check, |
| | | | | 5. Melakukan pelaksanaan pemasangan Main Landing Gear and Wheel |
| | | | | 6. Mengelola replace and rigging of aileron, elevator and rudder |
| | | | | 7. Melakukan Pelaksanaan inspect and adjust flap. |
| | | | | 8. Melaksanakan inspeksi and penye telan brake |
| L-4 | | Profesional | Penerapan Aircraft System | 1. Menganalisis AC and Cabin Pressurization (ATA 21). |
| | | | | 2. Mengevaluasi Instruments/ Avionic Systems |
| | | | | 3. Mengevaluasi Electrical Power (ATA 24). |

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| | | | | 4. Mengevaluasi Oxygen System (ATA 35). |
| | | | | 5. Mengevaluasi Pneumatic/ Vacuum System (ATA 36). |
| L5 | | Profesional | Perawatan dan Perbaikan a/c system | 1. Melakukan Perawatan Hydrolic Power System (ATA 29). |
| | | | | 2. Melakukan Perawatan Fire Protection (ATA 26) |
| | | | | 3. Melakukan Perawatan Ice and Rain Protection System (ATA 30) |
| | | | | 4. Melakukan Perawatan Landing Gear System (ATA 32). |
| L-6 | | Profesional | Penerapan Gas Turbine Enginer (GTE) | 1. Menganalisis Konsep dasar prinsip kerja GTE (GTE fundamentals) |
| | | | | 2. Mengevaluasi bagian2 GTE (air inlet, compressors, combustion section, turbin section, exhaust) |
| | | | | 3. Merumuskan berbagai engine indication (engine instrument) |
| | | | | 4. Menganalisis mekanisme pada GTE (turboprop, turboshaft, turbojet, turbofan) |
| | | | | 5. Menganalisis fungsi dan prinsip kerja Auxillary Power Units (APUs) |
| | | | | 6. Menganalisis Komponen2 Air Systems |
| | | | | 7. Menelaah Prinsip kerja fire Protection Systems. |
| L-7 | | | Perbaikan dan Perawatan Gas Turbine Engine | 1. Mengecek komponen2 Powerplant Installation |
| | | | | 2. Memeriksa Engine Monitoring and Ground Operation |
| | | | | 3. Memeriksa Prosedur Fuels System |
| | | | | 4. Mengontrol Komponen2 Lubrication System |
| | | | | 5. Memeriksa Install and adjust fuel control, fuel pump and fuel flow meter |
| L-8 | | | Pengujian Gas Turbine Engine | 1. Monitoring Pengujian EGT Indicating System |

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| | | | | 2. Memeriksa Engine Stating and Ignition Systems |
| | | | | 3. Monitoring Engine Run up |
| | | | | 4. Monitoring Pemasangan dan Pelepasan Ignition unit, Ignitor plug, Stater dan Generator. |
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| L-9 | | | Penerapan Practice Maintenance | 1. Memeriksa rivet rivet pada proses perawatan dan perbaikan konstruksi pesawat udara |
| | | | | 2. Mengevaluasi hasil inspection dan Testing pada Pipes dan Hoses |
| | | | | 3. Memeriksa Electrical Cables and Connectors |
| | | | | 4. Mengevaluasi Proses Inspection dan Testing terhadap Springs, Bearings dan Transmissions |
| | | | | 5. Mengevaluasi proses Inspection terhadap swaging (rigging) and fitting pada Control Cable. |
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| L-10 | | | Pelaksanaan Pekerjaan Sheet Metal, Welding, Brazing, Soldering Bonding, Composit | 1. Mengelola Pekerjaan Sheet Metal, Welding, Brazing, Soldering, Bonding dan Composit. |
| | | | | 2. Mengelola a/c Weight and Balance |
| | | | | 3. Mengelola Pekerjaan Composite |