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| FORM ASESMEN MANDIRI **PROGRAM RPL POLITEKNIK NEGERI BATAM**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Nama Peserta | : |  | Tanggal | : |  | | No Pendaftaran | : |  | Jurusan | : | Teknik Mesin | | Nama Asesor | : |  | Prodi | : | Teknologi Rekayasa Konstruksi Perkapalan |   Pada bagian ini, Peserta diminta untuk menilai diri sendiri terhadap capaian pembelajaran matakuliah yang dilaksanakan di program studi yang di tuju.   1. Pelajari seluruh Capaian Pembelajaran Khusus (CPK) dan yakinkan bahwa Anda sudah benar-benar memahami seluruh isinya. 2. **Laksanakan penilaian mandiri dengan mempelajari dan menilai kemampuan yang Anda miliki secara obyektif terhadap seluruh daftar pertanyaan yang ada, serta tentukan level kemampuan pada CPK tersebut dengan** mencantumkan tanda **√** padakolom **1 (Kurang Sekali), 2 (Kurang), 3 (Cukup), 4 (Baik), 5 (Sangat Baik)** dan tuliskan bukti-bukti pendukung yang Anda anggap relevan terhadap setiap elemen/ CPK. 3. Peserta dan Asesor Wajib menandatangi form Asesmen Mandiri. 4. Bukti pendukung dapat berupa:    1. Transkrip Nilai    2. Portofolio    3. Produk    4. Dan lainnya 5. Hasil Asesmen Berdasarkan Bukti pendukung:    1. V=Valid (terdapat hubungan yang jelas antara bukti yang diperlukan dengan capaian pembelajaran yang dinilai)    2. A=Asli/Otentik (bukti yang disampaikan dapat diverifikasi di kampus asal, tempat kerja atau tempat lainnya yang relevan dengan bukti tersebut    3. T=Terkini (bukti yang disampaikan mendemonstrasikan pengetahuan dan keterampilan terkini yang dimiliki pelamar/asesi    4. M=Memenuhi/Cukup (bukti yang disampaikan harus menunjukkan kinerja capaian pembelajaran yang cukup/memenuhi untuk dinilai.  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **MATA KULIAH SEMESTER 1** | | | | | | | | | | | | | | **Kode dan Nama Mata Kuliah** | | **PK1KP Agama** | | | | | | | | | | | | **SKS** | | **2** | | | | | | | | | | | | **Capaian Pembelajaran** | | 1. Meningkatkan kualitas keimanan, ketakwaan, dan akhlak mulia mahasiswa. 2. Meningkatkan kualitas dan kuantitas pelaksanaan ibadah ritual (maḫdhah) mahasiswa 3. Meningkatkan pengetahuan dan keterampilan mahasiswa dalam memecahkan problematika kehidupan dengan berlandaskan pada ajaran Islam 4. Meningkatkan kematangan dan kearifan berpikir dan berperilaku mahasiswa dalam pergaulan global 5. Meningkatkan pemahaman dan kesadaran mahasiswa dalam mengembangkan disiplin ilmu dan profesi yang ditekuninya, sebagai bagian dari ibadah | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pernyataan**  **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui konsep dan urgensi pendidikan agama? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui argumen tentang perlunya dan bagaimana pendidikan agama diajarkan? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui konsep spiritualitas? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahuiKonsep kebahagiaan | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui Paradigma Qurani (Islam) / Paradigma alkitab (Kristen) menghadapi kehidupan modern | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP101 Gambar Teknik | | | | | | | | | | | | **SKS** | | 3 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | Menguasai prinsip dasar gambar Teknik, mampu bekerja mandiri dan terukur serta menerapkannya untuk membuat gambar rancangan kapal dan bangunan apung lainnya | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui prinsip-prinsip keselamatan dan kesehatan kerja di lingkungan kerja bidang gambar teknik? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui prinsip membaca Gambar Teknik? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui cara mempersiapkan gambar teknik (dasar)? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui cara mengoperasikan Komputer untuk menggambar teknik? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui menggambar 2D Dengan Sistem CAD | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP102 Las dan Fabrikasi Logam | | | | | | | | | | | | **SKS** | | 4 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa menguasai pengetahuan mengenai prosedur dan standar kerja (SOP) di bengkel/ara kerja di laboratorium dan area kerja lainnya serta menguasai prinsip-prinsip keselamatan dan kesehatan kerja (K3) dalam proses perancangan, produksi dan konstruksi kapal dan bangunan apung lainnya 2. Mahasiswa mengenal proses pemotongan logam 3. Mahasiswa mengenal proses pengelasan SMAW, GMAW, GTAW, dan SAW 4. Mahasiswa menguasai konsep teoritis metode pengelasan dan uji tak rusak (non destructive test) secara visual 5. Mahasiswa memahami welding symbol dan aplikasinya pada fabrikasi pengelasan. | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui Keselamatan dan Kesehatan Kerja (K3) Pengelasan? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui prinsip pemotongan (cutting) dan gouging logam secara mekanik, gas (oxy-fuel) dan plasma cutting. | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui terminologi pengelasan? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui proses Shielded Metal Arc Welding? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui proses Flux Cored Arc Welding? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui proses Gas Metal Arc Welding? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui proses Gas Tungsten Arc Welding? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui dasar inspeksi visual? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda biasa menggunakan alat ukur Bevel Protactor? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP103 Matematika Teknik | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | Mahasiswa mampu menerapkan konsep umum matematika, sains alam, konsep metalurgi, dan prinsip-prinsip rekayasa ke dalam prosedur praktek teknikal untuk menyelesaikan masalah dalam perancangan kapal, peralatan mekanik sederhana, dan inspeksi pengelasan. | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui cara mengekur luas daerah tidak beraturan (trapezoidal rule, mid-point rule, simpson  rule)? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui cara mengukur volume daerah tidak beraturan | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui prinsip menggambar 3D bidang cartesian? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui prinsip perhitungan masalah praktis dengan persamaan kuadrat? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui prinsip trigonometri ? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui prinsip titik berat? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui prinsip penerapan turunan? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui prinsip penerapan integral ? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui prinsip Integrasi numerik? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP104 Pengantar Teknologi Kelautan | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | Menguasai prinsip dan issue terkini mengenai teknologi rekayasa konstruksi kapal, aturan dan regulasi yang berlaku dalam perancangan, produksi dan konstruksi kapal dan bangunan apung lain, secara khusus pada bagian-bagian yang berkaitan dengan perancangan, project, produksi/ fabrikasi dan inspeksi kapal | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengenal aspek teknologi kelautan? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui jenis struktur kelautan? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui industi yang bergerak di bidang kelautan? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui prinsip operasional bidang kelautan? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui sistem pendukung operasi kelautan? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui prinsip fabrikasi/ produksi bidang kelautan? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui prinsip Rules and Regulation bidang kelautan? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP105 Pengetahuan Material | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa memahami penerapan pemilihan material yang sesuai pada industri perkapalan berdasar kode dan standar yang digunakan 2. Mahasiswa mengenal kegagalan material yang umum terjadi pada industri perkapalan 3. Mahasiswa memiliki kepedulian terkait isu lingkungan maritim terkait dengan penggunaan material pada industri perkapalan | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui prinsip ilmu material? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui struktur atom dan kristal? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui sifat-sifat material (logam, polimer, keramik)? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui sifat mekanik material? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui proses pembuatan, diagram fasa, klasifikasi dan perlakuan pada material baja? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui material logam untuk kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui konsep polimer dan Komposit? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui kegagalan Material dan pencegahannya (crack, fatigue, corrosion)? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui keterkaitan material dan keberlangsungan lingkungan maritim? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP106 Proses Pemesinan Dasar | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mampu memahami prinsip Kesehatan dan Keselamatan kerja (K3) dengan baik; 2. Mahasiswa memahami cara penggunaan alat ukur dan pembacaan skala ukur dengan benar; 3. Mahasiswa memahami cara perawatan peralatan praktikum yang benar; 4. Mahasiswa mampu mengoperasikan mesin bubut dengan benar; 5. Mahasiswa mampu mengoperasikan mesin frais dengan benar dan terukur; 6. Mahasiswa mampu mengoperasikan mesin gerinda dengan benar | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui prinsip K3: safety induction, implementasi K3 di lab dan pengenalan alat ukur? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui prinsip mesin bubut? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui prinsip mesin frais? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui prinsip mesin gerinda? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui proses pembuatan benda kerja sebagai aplikasi pemesinan bubut, milling dan gerinda? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP107 Pengantar Teknik Perkapalan | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | Mahasiswa mampu memahami dasar-dasar ilmu perkapalan yang berkaitan dengan ukuran-ukuran utama kapal, koefisien bentuk kapal, pemahaman gambar desain dan konstruksi kapal serta mengenal penggunaan perangkat lunak yang dapat mendukung proses desain kapal dan bangunan apung lainnya | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui pengertian umum dari kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui jenis-jenis muatan kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui tipe kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui teori apung kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui istilah-istilah umum yang ada pada kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui ukuran utama kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui prinsip displacement dan tonase kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui koefisien pada bentuk kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui stabilitas kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.10 | Apakah Anda mengetahui rencana garis? | |  |  |  |  |  |  |  |  |  |  | | 1.11 | Apakah Anda mengetahui prinsip bukaan kulit? | |  |  |  |  |  |  |  |  |  |  | | 1.12 | Apakah Anda mengetahui kaidah konstruksi kapal ? | |  |  |  |  |  |  |  |  |  |  | | 1.13 | Apakah Anda mengenal perangkat lunak pendukung desain kapal? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **MATAKULIAH SEMESTER 2** | | | | | | | | | | | | | | **Kode dan Nama Mata Kuliah** | | KU1KP Bahasa Inggris Umum | | | | | | | | | | | | **SKS** | | 3 SKS | | | | | | | | | | | | **Capaian Pembelajaran** | | 1. Develop a better understanding of advanced grammar rules and write grammatically correct sentences. 2. Acquire wide vocabulary and learn strategies for error-free communication. 3. Comprehend language and improve speaking skills in academic and social contexts. 4. Improve listening skills so as to understand complex business communication in a variety of global English accents through proper pronunciation. 5. Interpret texts, diagrams and improve both reading and writing skills which would help them in their academic as well as professional career. 6. Develop a better understanding of advanced grammar rules and write grammatically correct sentences. 7. Acquire wide vocabulary and learn strategies for error-free communication. 8. Comprehend language and improve speaking skills in academic and social contexts. 9. Improve listening skills so as to understand complex business communication in a variety of global English accents through proper pronunciation. 10. Interpret texts, diagrams and improve both reading and writing skills which would help them in their academic as well as professional career. | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pernyataan**  **(Asesmen Mandiri/*Self Assessment*)**  Apakah Anda mengetahui? | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Advanced Grammar: Articles, Tenses, Voice and prepositions | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Vocabulary Building: Idioms and Phrases, Homonyms, Homophones and Homographs | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Listening for Specific Purposes: Gist, monologues, short conversations, announcements, briefings and discussions | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Speaking for Expression: Introducing oneself and others, Making Requests & responses, Inviting and Accepting/ Declining Invitations | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Reading for Information: Reading Short Passages, News Articles, Technical Papers and Short Stories | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Writing Strategies: Joining the sentences, word order, sequencing the ideas, introduction and conclusion | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Vocabulary Building: Enrich the domain specific vocabulary by describing Objects, Charts, Food, Sports and Employment | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Listening for Daily Life: Listening for statistical information, Short extracts, Radio broadcasts and TV interviews | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Expressing Ideas and Opinions: Telephonic conversations, Interpretation of Visuals and describing products and processes. | |  |  |  |  |  |  |  |  |  |  | | 1.10 | Comprehensive Reading: Reading Comprehension, Making inferences, Reading Graphics, Note-making, and Critical Reading. | |  |  |  |  |  |  |  |  |  |  | | 1.11 | Narration: Writing narrative short story, Personal ilestones, official letters and E-mails | |  |  |  |  |  |  |  |  |  |  | | 1.12 | Pronunciation: Speech Sounds, Word Stress, Intonation, Various accents | |  |  |  |  |  |  |  |  |  |  | | 1.13 | Editing: Simple, Complex & Compound Sentences, Direct & Indirect Speech, Correction of Errors, Punctuations | |  |  |  |  |  |  |  |  |  |  | | 1.14 | Short Story Analysis: Reading and analyzing the theme of the short story | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP201 Fisika Terapan | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran** | | 1. Mahasiswa mampu melakukan pengukuran berdasarkan metode ilmiah dan penggunaan standar internasional (SI) 2. Mahasiswa mampu mengkonversi satuan dari satu sistem ke sistem lain 3. Mahasiswa mampu menjelaskan prinsip-prinsip Gaya dan penerapannya dalam bidang mekanika serta kinematika dan Dinamika Partikel 4. Mahasiswa mampu menjelaskan konsep gerak di dimensi satu dan dimensi 2-3 5. Mahasiswa mampu menerapkan Hukum Newton dan aplikasinya 6. Mahasiswa mampu mendeskripsikan prinsip kerja dan energi kinetik 7. Mahasiswa mampu menjelaskan gerak putar (rotasi) dan energi kinetik rotasi 8. Mahasiswa mampu mendeskripsikan konsep energi dan berbagai macam bentuk perubahannya 9. Mahasiswa mampu menjelaskan konsep dasar dan hukum-hukum termodinamika 10. Mahasiswa mampu menjelaskan karakteristik fluida dan gerak fluida 11. Mahasiswa mampu menjelaskan macam-macam gelombang 12. Mahasiswa mampu menjelaskan konsep dasar kelistrikan | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pernyataan**  **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui konsep pengukuran dan satuan? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui mekanika (vektor gaya)? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui dinamika partikel (hukum newton)? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui kinematika partikel (gerak di dimensi satu)? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui kinematika partikel (gerak di dimensi 2-3)? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui prinsip rotasi? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui prinsip kerja dan energi kinetik? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui konversi energi? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui konsep termodinamika? | |  |  |  |  |  |  |  |  |  |  | | 1.10 | Apakah Anda mengetahui konsep fluida? | |  |  |  |  |  |  |  |  |  |  | | 1.11 | Apakah Anda mengetahui konsep gelombang? | |  |  |  |  |  |  |  |  |  |  | | 1.12 | Apakah Anda mengetahui konsep listrik? | |  |  |  |  |  |  |  |  |  |  | | 1.13 | Apakah Anda mengetahui konversi energi? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP202 Keselamatan dan Kesehatan Kerja | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran** | | Mampu menerapkan prinsip prinsip keselamatan dan kesehatan kerja di lingkungan kerja | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pernyataan**  **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui dasar-dasar K3? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui peraturan perundangan K3? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui konsep bahaya dan resiko? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui pengendalian bahaya dan resiko? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui teknik mengidentifikasi bahaya dan pengendalian resiko? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui kecelakaan kerja, investigasi kecelakaan kerja? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui pendekatan ergonomi untuk meningkatkan keselamatan dan kesehatan kerja? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui kesehatan kerja | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui prinsip P3K (Pertolongan Pertama Pada Kecelakaan? | |  |  |  |  |  |  |  |  |  |  | | 1.10 | Apakah Anda mengetahui prinsip K3 pada lingkungan B3 (Bahan Berbahaya dan Beracun)? | |  |  |  |  |  |  |  |  |  |  | | 1.11 | Apakah Anda mengetahui safety sign? | |  |  |  |  |  |  |  |  |  |  | | 1.12 | Apakah Anda mengetahui K3 untuk mekanik, confined space dan work permit? | |  |  |  |  |  |  |  |  |  |  | | 1.13 | Apakah Anda mengetahui fire safety? | |  |  |  |  |  |  |  |  |  |  | | 1.14 | Apakah Anda mengetahui sistem manajemen K3? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP203 Konstruksi Kapal | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran** | | 1. Mahasiswa mampu menentukan bagian - bagian konstruksi kapal. 2. Mahasiswa mampu menentukan tipe dan fungsi konstruksi kapal. 3. Mahasiswa mampu menentukan konstruksi deck, hatch, dan bulkhead. 4. Mahasiswa mampu membedakan konstruksi aft end, fore end, dan midship. 5. Mahasiswa mampu menentukan konstruksi kamar mesin. 6. Mahasiswa mampu membedakan konstruksi beberapa jenis kapal. | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pernyataan**  **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui bagian - bagian konstruksi kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui tipe dan fungsi konstruksi kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui konstruksi dek, palka dan sekat? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui konstruksi pada bagian depan, tengah dan belakang kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui konstruksi kamar mesin, engine bed? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP204 Perancangan dengan Komputer | | | | | | | | | | | | **SKS** | | 4 SKS | | | | | | | | | | | | **Capaian Pembelajaran** | | 1. Mampu menggunakan Computer Aided Design (CAD) dalam proses pembuatan Ship Drawing baik dalam bentuk 2D maupun 3D 2. Mampu membaca gambar dengan baik. 3. Mampu membuat ship drawin productionn | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pernyataan**  **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui perangkat lunak CAD? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui konsep desain 2D? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui konsep desain 3D? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP205 Visualisasi dan Permodelan Kapal | | | | | | | | | | | | **SKS** | | 5 SKS | | | | | | | | | | | | **Capaian Pembelajaran** | | 1. Mahasiswa memahami dan mampu merancang gambar rencana garis kapal secara lengkap dibantu dengan komputer menggunakan satu atau lebih metode dan software perancangan kapal 2. Mahasiswa memahami dan mampu menginterpretasikan kurva-kurva hasil perancangan kapal seperti kurva hidrostatis, bonjean, dan cross curve. | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pernyataan**  **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui teori penentuan ukuran utama kapal & perhitungan awal untuk pembuatan lines plan? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui penentuan jarak station, buttock line, dan waterline? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui cara menambah grid spacing untuk station, waterline, dan buttock line? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui konsep modifikasi control point pada memanjang, melintang, dan vertical. | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui proses export Gambar Lines Plan dari Maxsurf ke AutoCAD | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui proses export Table Offset dari Maxsurf ke AutoCAD? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui proses interpretasi Kurva Hidrostatik? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui proses interpretasi Kurva Bonjean? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui proses interpretasi Cross Curve? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP206 Teori Bangunan Kapal | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran** | | 1. Menjelaskan prinsip‐prinsip dasar lambung timbul (freeboard) dan peraturan yang ditentukan berdasarkan International Convention on Load Lines 1966 (ICLL 1966) serta Protocol of 1988 2. Mahasiswa mampu menjelaskan struktur bangunan kapal (hull structure) yang berkaitan dengan frame spacing, bulkhead, tanki, ruang akomodasi dan ruang muat kapal 3. Menjelaskan prinsip‐prinsip dasar kapasitas dan tonase (tonnage) dan peraturan yang ditentukan berdasarkan International Conference on Tonnage Measurement of Ships 1969 4. Mahasiswa mamapu menghasilkan kurva hidrostatis kapal, memahami dasar-dasar stabilitas kapal, kurva stabilitas kapal dan pengujian stabilitas kapal (inclining test) 5. Menjelaskan prinsip‐prinsip dasar peluncuran kapal 6. Mahasiswa memahami tentang galangan kapal (shipyard practice) kaitannya dengan produksi, planning dan control (PPC) dalam proses pembangunan kapal | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pernyataan**  **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui istilah Freeboard (lambung timbul)? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui konsep peluncuran kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui stabilitas statis dan stabilitas dinamis pada kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Andan mengetahui stabilitas kapal dalam keadaan bocor (ship damaged stability) | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui prinsip inclining test? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui kurva hidrostatik & Bounjen, Kurva Stabilitas Statis? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **MATAKULIAH SEMESTER 3** | | | | | | | | | | | | | | **Kode dan Nama Mata Kuliah** | | KP301 Bahasa Inggris Teknik | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran** | | 1. Communicate proficiently in high-end interviews and exam situations and all social situations 2. Comprehend academic articles and draw inferences 3. Evaluate different perspectives on a topic 4. Write clearly and convincingly in academic as well as general contexts 5. Synthesize complex concepts and present them in speech and writing | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pernyataan**  **(Asesmen Mandiri/*Self Assessment*)**  Apakah Anda mengetahui? | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Listening for Clear Pronunciation: Ice-breaking, Introduction to vowels, consonants, diphthongs. Listening to formal conversations in British and American accents (BBC and CNN) as well as other  “native” accents | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Introducing Oneself: Individual Presentations | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Effective Writing: Business letters and Emails, Minutes and Memos Structure/ template of common business letters and emails: inquiry/ complaint/ placing an order; Formats of Minutes and Memos | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Comprehensive Reading: Reading Comprehension Passages, Sentence Completion (Technical and General Interest), Vocabulary and Word Analogy | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Listening to Narratives: Listening to audio files of short stories, News, TV Clips/ Documentaries, Motivational Speeches in UK/ US/ global English accents. | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Academic Writing and Editing: Editing/ Proofreading symbols Citation Formats Structure of an Abstract and Research Paper dimensi pegas berdasarkan persyaratan perancangan? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Team Communication: Group Discussions and Debates on complex/ contemporary topics Discussion evaluation parameters, using logic in debates | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Career-oriented Writing: Resumes and Job Application Letters, SOP | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Reading for Pleasure: Reading short stories | |  |  |  |  |  |  |  |  |  |  | | 1.10 | Creative Writing: Imaginative, narrative and descriptive prose | |  |  |  |  |  |  |  |  |  |  | | 1.11 | Academic Listening: Listening in academic contexts such as Listening to lectures, Academic Discussions, Debates, Review Presentations, Research Talks, Project Review Meetings | |  |  |  |  |  |  |  |  |  |  | | 1.12 | Reading Nature-based Narratives: Narratives on Climate Change, Nature and Environment | |  |  |  |  |  |  |  |  |  |  | | 1.13 | Technical Proposals: Technical Proposals | |  |  |  |  |  |  |  |  |  |  | | 1.14 | Presentation Skills: Persuasive and Content-Specific Presentations  Activity: Technical Presentations | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP302 Mekanika Teknik | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mampu menyebutkan konsep dasar mekanika 2. Mahasiswa mampu menyebutkan satuan ukur yang tepat untuk suatu besaran 3. Mahasiswa mampu mengkonversi nilai pengukuran dari sistem satuan berbeda 4. Mahasiswa mampu membedakan besaran skalar dan vektor 5. Mahasiswa mampu menjumlahkan vektor gaya 6. Mahasiswa mampu menggambar diagram benda bebas dari sistem kesetimbangan partikel 7. Mahasiswa mampu menentukan semua gaya yang terlibat pada suatu kesetimbangan partikel dalam sistem gaya dua dimensi 8. Mahasiswa mampu menghitung momen dan resultan momen 9. Mahasiswa mampu merumuskan persamaan sistem momen kopel 10. Mahasiswa mampu menentukan letak titik massa dari suatu benda. 11. Mahasiswa mampu mengenali berbagai macam jenis tumpuan dan gaya reaksinya 12. Mahasiswa mampu merumuskan dan memecahkan persamaan kesetimbangan benda tegar 13. Mahasiswa mampu merumuskan dan memecahkan sistem kesetimbangan benda tegar pada aplikasi sehari-hari 14. Mahasiswa mampu merumuskan dan memecahkan sistem kesetimbangan benda tegar dengan bantuan software 15. Mahasiswa mampu merumuskan gaya-gaya dalam sistem yang melibatkan gaya gesek. 16. Mahasiswa mampu menentukan gaya-gaya pada sistem balok miring. 17. Mahasiswa mampu menyelesaikan masalah pada sistem rem block. | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui vektor gaya? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui statika partikel? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui statika partikel? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui prinsip momen? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui titik pusat massa? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui statika benda tegar? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui aplikasi statika benda tegar? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KU2KP Olahraga | | | | | | | | | | | | **SKS** | | 1 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa menguasai pengetahuan (definisi, ruang lingkup dan peran) ilmu kesehatan olahraga. 2. Mahasiswa mampu menyusun dan mengaplikasikan program olahraga untuk promotif, dan rehabiltatif kepada masyarakat 3. Mahasiswa mampu mengembangkan sikap untuk selalu belajar, membuka ruang diskusi dengan disiplin ilmu maupun profesi lain dalam upaya peningkatan kualitas hidup kampus maupun di masyarakarat dengan olahraga | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui ruang lingkup olahraga? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui Kebugaran jasmani? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui tentang doping? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui keterkaitan olahraga dan berbagai penyakit | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP303 Pengelasan Lanjut | | | | | | | | | | | | **SKS** | | 4 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mata kuliah ini bertujuan Mampu mengidentifikasi dan melakukan tracing material serta memahami simbol pengelasan, geometri sambungan untuk preparasi fit-up. 2. Mata kuliah ini bertujuan memahami Welding Map, Inspection Test Plan, variabel WPS dan proses-proses pengelasan yang umumkomponen berdasarkan prosedur standar, serta menganalisis dan menginterpretasi hasil pengukuran untuk memenuhi standar fungsi dan kualitas yang ditetapkan.digunakan pada fabrikasi. 3. Mampu mengelas fillet dan groove dan melakukan inspeksi hasil pengelasan secara visual dan membuat laporan. 4. Memahami proses tes kualifikasi welder dan mampu melakukan uji destruktif sebagai syarat tes. 5. Mampu berkomunikasi timbal balik bekerjasama dengan baik dengan divisi lain, pihak klas kapal dan pihak pemilik kapal terkait koordinasi pekerjaan dan laporan hasil pekerjaan. | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui safety pada bidang pengelasan ? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui Alur Proses Fabrikasi?  (Welding Symbol, Welding Map dan ITP, standar dan kode yang digunakan • Persiapan sebelum proses pengelasan (material check, dimensi) • Fit Up) | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui teori Kualitas Pengelasan • Inspeksi dalam fabrikasi (Before - During - After Welding) • Penyebab diskontinuitas & cacat las • Inspeksi visual dan report | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui proses Pengelasan SMAW - GMAW - FCAW - GTAW – SAW • Kelebihan dan Kekurangan proses SMAW - GMAW - FCAW - GTAW - SAW | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui Prosedur pengelasan • Prosedur pengelasan (WPS – PQR) • Pengujian destruktif | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui pengelasan groove, root - hot pass - filler dan capping | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP304 Desain Rencana Umum | | | | | | | | | | | | **SKS** | | 6 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa dapat memahami cara menempatkan ruangan-ruangan utama kapal, menentukan peralatan-peralatan yang dibutuhkan ruangan-ruangan utama dan menentukan jalan untuk mencapai ruangan tersebut. 2. Mahasiswa dapat memahami konstruksi kapal secara umum, cara pengambilan ukuran dari gambar atau ketentuan lain sesuai peraturan klas, serta cara menentukan koefisien, konstanta atau besaran lain sesuai dengan peraturan klas 3. Mahasiswa dapat membuat model kapal 3D dengan menggunakan software 3D modelling (Rhino/ Maxsurf/ Inventor/ AutoCAD) | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui prosedur pembuatan general arrangement? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui persiapan data, referensi dan gambar untuk pembuatan general arrangement? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui rules dan regulasi dalam pembuatan general arrangement? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui aspek teknis penentuan spesifikasi mesin, penentuang tangki, ABK, ruang akomodasi, ruang muat, peralatan keselamatan, alat angkat dan angkut serta alat tambat? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP305 Teknologi Bangunan Baru | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mampu memahami shipyard background mulai dari awal mula pembangunan shipyard, tujuan pembangunan shipyard. 2. Mahasiswa mampu memahami proses yang ada di sebuah shipyard baik oraganiasasi, tata kelola, tugas dan tanggung jawab, sarana dan fasilitas yang ada di sebuah shipyard. 3. Mahasiswa mampu memahami regulasi dan klasifikasi yang ada dalam pembangunan kapal. 4. Mahasiswa mampu memahami perkembangan produksi kapal baik secara konvensional maupun modern. 5. Mahasiswa mampu memahami ship design process. 6. Mahasiswa mampu memahami proses pembangunan kapal baru baik dari tahapan awal hingga akhir. 7. Mahasiswa mampu memahami Quality dan Project management sebuah pembangunan kapal. 8. Mahasiswa mampu memahami trend yang terjadi dalam pembangunan kapal saat ini. | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui jenis-jenis kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui jenis-jenis sarana pembangunan kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui fasilitas dan peralatan pada galangan kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui struktur organisasi umum pada galangan kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui alur proses galangan kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui rules dan regulasi yang digunakan dalam pembangunan kapal? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **MATAKULIAH SEMESTER 4** | | | | | | | | | | | | | | **Kode dan Nama Mata Kuliah** | | KU3KP Persiapan Tes Kemampuan Bahasa Inggris | | | | | | | | | | | | **SKS** | | 3 SKS | | | | | | | | | | | | **Capaian Pembelajaran** | | 1. Mahasiswa dapat meraih nilai yang tinggi dalam tes kemampuan Bahasa Inggris standar seperti TOEFL, TOEIC, IELTS, atau sejenisnya 2. Mahasiswa mampu meraih nilai yang tinggi dalam tes kemampuan bahasa Inggris standar yang meliputi: Listening Comprehension, Grammar Structure and Written Expression, Reading Comprehension, Writing dan Speaking | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pernyataan**  **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui jenis-jenis tes kemampuan Bahasa Inggris ? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui Tips about Listening Comprehension, Grammar structure, written expression, Reading Comprehension, writing, speaking? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP401 Ilmu Kekuatan Bahan | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mampu menerapkan pemikiran logis, kritis, inovatif, bermutu, dan terukur dalam melakukan pekerjaan yang spesifik di bidang keahliannya serta sesuai dengan standar kompetensi kerja bidang yang bersangkutan; 2. Mampu menerapkan matematika, sains, dan prinsip dasar rekayasa perkapalan (principles of naval architecture and shipbuilding) untuk menyelesaikan masalah rekayasa kompleks di bidang perancangan dan pembangunan kapal atau bangunan apung lainnya; | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui Konsep Regangan Tegangan - Pembebanan aksial? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui Tegangan Geser (Shear Stress)? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui tentang torsi? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui bending? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui prinsip mengenai analisa tegangan regangan? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui sifat-sifat bahan? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui desain Kekuatan Statis? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui konsep pengenalan Beban Dinamis (Kurva S-N)? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP402 Kewirausahaan | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | Mampu menginternalisasi semangat kemandirian, kejuangan, dan kewirausahaan dan mampu mampu memelihara dan mengembangkan jaringan kerja sama dan hasil kerja sama di dalam maupun di luar lembaganya | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui prinsip tentang kewirausahaan? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui konsep bisnis dan financial Plan? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP403 Desain Struktur Kapal | | | | | | | | | | | | **SKS** | | 6 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mampu membaca dan merencanakan gambar konstuksi profil 2. Mahasiswa mampu membaca gambar kerja. 3. Mahasiswa mampu mengimplementasikan gambar konstruksi ke gambar kerja 4. Mahasiswa mampu memahami hull structure breakdown 5. Mahasiswa mampu merencanakan beban pada konstruksi 6. Mahasiswa mampu menghitung beban geladak 7. Mahasiswa mampu menghitung kekuatan alas ganda 8. Mahasiswa mampu menghitung frame – frame 9. Mahasiswa mampu menghitung penumpu geladak 10. Mahasiswa mampu menghitung kekuatan sekat 11. Mahasiswa mampu menghasilkan tabel beban dan profile 12. Mahasiswa mampu menggambar konstruksi kapal 13. Mahasiswa mampu menggambar detail konstruksi | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui hull breakdown structure? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui konsep perencanaan beban? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui konsep perencanaan tebal pelat? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui konsep perencanaan wrang Kedap (water tight floor), geladak, sekat? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui prinsip menggambar penampang melintang konstruksi? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui hull breakdown structure? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui konsep perencanaan beban? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui konsep perencanaan tebal pelat? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui konsep perencanaan wrang Kedap (water tight floor), geladak, sekat? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP404 Sistem dan Perlengkapan Kapal | | | | | | | | | | | | **SKS** | | 4 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mampu memahami sistem dan permesinan pada kapal 2. Mahasiswa mampu memahami dasar-dasar perpipaan kapal 3. Mahasiswa mampu menghitung dan merancang sistem pelayanan umum kapal (general service system) 4. Mahasiswa mampu merancang gambar Process & Instrumentation Diagram (P&ID) sistem pelayanan umum kapal (general service system) 5. Mahasiswa mampu merancang gambar 3D sistem kapal dan menghasilkan isometric diagram sistem perpipaan pada kapal 6. Mahasiswa mampu mampu membaca katalog dan spesifikasi pipa dan fitting | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui konsep permesinan kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui sistem pipa, fitting, tangki, seachest? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui sistem pelayanan umum (general service system) dan sistem pendukung kerja mesin utama kapal (engine supporting system)? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui konsep perhitungan sistem pelayanan umum (general service system)? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui konsep pembuatan gambar process & instrumentation diagram (P&ID), sistem pelayanan umum (general service system)? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui dasar-dasar inspeksi hull outfitting dan machinery outfitting, dan electric? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **MATA KULIAH SEMESTER 5** | | | | | | | | | | | | | | **Kode dan Nama Mata Kuliah** | | KP501 Fabrikasi Kapal | | | | | | | | | | | | **SKS** | | 4 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mengetahui material konstruksi kapal 2. Mahasiswa mampu melakukan persiapan material baja. 3. Mahasiswa mampu melakukan pemotongan plat. 4. Mahasiswa mampu melakukan pembentukan plat. 5. Mahasiswa mampu menentukan urutan assembly struktur kapal. 6. Mahasiswa mampu menentukan welding deposit. 7. Mahasiswa mengetahui welding residual stress dan distortion. 8. Mahasiswa mampu menentukan distortion control dan mitigation. 9. Mahasiswa mengetahui pengendalian ketepatan. | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui material konstruksi kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui konsep straightening and stress relieving? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui konsep surface dressing, mill scale removal? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui konsep pemotongan plat? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui konsep pembentukan plat? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui urutan assembly struktur kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui konsep welding deposit? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui tentang welding residual stress dan distortion? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui prinsip penentuan distortion control dan mitigation? | |  |  |  |  |  |  |  |  |  |  | | 1.10 | Apakah Anda mengetahui pengendalian ketepatan proses fabrikasi kapal? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP502 Inspeksi Las dan NDT | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mampu mereview dokumen yang berhubungan dengan inspeksi NDT 2. Mahasiswa mampu melakukan, menugaskan dan memonitor pelaksanaan Uji Tak Rusak (NDT) metode VT, MT, PT, UT, dan RI 3. Mahasiswa mampu memilih metode NDT yang sesuai untuk melakukan identifikasi cacat las dan memprediksi penyebab terjadinya cacat las 4. Mahasiswa mampu membuat laporan inspeksi Uji Tak Rusak (NDT) metode VT, MT, PT, UT, dan RI | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui prinsip review dokumen untuk inspeksi NDT? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui prinsip pelaksanaan, penugasan dan pemantauan pelaksanaan NDT? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui konsep pemilihan metode NDT yang sesuai untuk identifikasi cacat las? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui prinsip penetrant testing? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui prinsip magnetic testing? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui prinsip radiografi testing? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui prinsip ultrasonic testing? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP503 Kode dan Standar Fabrikasi | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mengenal dan memahami kode dan standar yang umum digunakan terutama pada pengelasan. 2. Mahasiswa mengenal dan memahami standar fabrikasi AWS, ASME, dan ISO. 3. Mahasiswa mampu menyusun WPS dari data-data WPQR menurut standar AWS/ASME/ISO. 4. Mahasiswa memahami variabel, inspeksi,dan fabrikasi pengelasan menurut kode dan standar AWS/ASME/ISO | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui standar AWS D1.1 dan ASME IX? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui prosedur pembuatan WPS menurut AWS D1.1 dan ASME IX? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui prosedur WQT menurut AWS D1.1 dan ASME IX? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui inspeksi pengelasan acceptance criteria menurut AWS D1.1 dan ASME IX? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui prinsip Standar ISO pada pengelasan? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui Standar Pengelasan lainnya (BKI, API, dll)? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui standar AWS D1.1 dan ASME IX? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui prosedur pembuatan WPS menurut AWS D1.1 dan ASME IX? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui prosedur WQT menurut AWS D1.1 dan ASME IX? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP504 Survey dan Reparasi Kapal | | | | | | | | | | | | **SKS** | | 3 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mengetahui klasifikasi dan pelaksanaan survey pada kapal 2. Mahasiswa mengetahui proses pelaksanaan survey dan reparasi pada lambung kapal 3. Mahasiswa mengetahui proses pelaksanaan survey dan reparasi pada mesin, poros, baling – baling, dan kemudi kapal 4. Mahasiswa mengetahui proses pelaksanaan survey dan reparasi pada system kelistrikan kapal 5. Mahasiswa mengetahui konvensi internasional yang berhubungan dengan kapal 6. Mahasiswa mampu menentukan tebal coating/cat dengan alat ukur 7. Mahasiswa mampu menentukan tebal plat dengan alat ukur | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui klasifikasi dan pelaksanaan survey pada kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui proses pelaksanaan survey dan reparasi pada lambung kapal | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui proses pelaksanaan survey dan reparasi pada mesin, poros, baling – baling, dan kemudi kapal | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui proses pelaksanaan survey dan reparasi pada system kelistrikan kapal | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui konvensi internasional yang berhubungan dengan kapal | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui prinsip penentuan tebal coating/cat dengan alat ukur? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | MApakah Anda mengetahui prinsip penentuan tebal plat dengan alat ukur? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP505 Survey dan Reparasi Kapal | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa memahami teori Korosi 2. Mahasiswa mampu melakukan persiapan plat sebelum di coating 3. Mahasiswa mampu melakukan proses coating 4. Mahasiswa mampu melakukan inspeksi hasil coating | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui konsep penentuan jenis korosi dan tingkat korosi pada material? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui prinsip penggunaan jenis – jenis cat sesuai spesifikasi? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui konsep penerapan prosedur pekerjaan surface preparation | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui prinsip aplikasi coating pada material dan kegagalan coating? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda biasa melakukan perlakukan panas dan pre heat pada insdustri pengelasan? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui penerapan standart inspeksi dan control kualitas coating? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui prinsip perencanaan pekerjaan coating inspektur dan tanggungjawabnya? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui konsep inspeksi prosedur uji lingkungan? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui prinsip penerapan K3 pada pekerjaan coating? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **MATA KULIAH SEMESTER 6** | | | | | | | | | | | | | | **Kode dan Nama Mata Kuliah** | | KP601 Fabrikasi Kapal Lanjut | | | | | | | | | | | | **SKS** | | 4 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mampu menentukan welding sequence pada stiffened plate. 2. Mahasiswa mampu mendesain spool. 3. Mahasiswa mampu menentukan operasi rigging dan lifting. 4. Mahasiswa mampu melakukan perhitungan docking plan. 5. Mahasiswa mampu melakukan perhitungan launching. | | | | | | | | | | | | **No.**  **CPK** | **Daftar Pertanyaan** **(Asesmen Mandiri/*Self Assessment*)** | | **Penilaian** | | | | | **Bukti-bukti Pendukung** | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui welding sequence pada stiffened plate? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui desain spool? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui prinsip penentuan Center of Gravity? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui konsep perencanaan padeye? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui konsep perencanaan rigging? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui prinsip lifting operation? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui prinsip docking plan? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui prinsip ship launching? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | K602 Manajemen Produksi Kapal | | | | | | | | | | | | **SKS** | | 3 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Memahami konsep konstruksi dan menerapkan berbagai standar yang ada di dunia konstruksi 2. Membuat laporan laporan hasil pelaksanaan proyek konstruksi 3. Membuat kurva S, melakukan analisa terhadap proyek dan merencanakan solusi 4. Memahami ilmu perencanaan biaya, waktu dan mutu 5. Memahami pengendalian biaya waktu dan mutu 6. Memahami kontrak konstruksi dan proses pengadaan 7. Mengaplikasikan ilmu perencanaan dan optimasi untuk menghasilkan perencanaan proyek konstruksi yang optimal dan memenuhi persyaratan teknis dan administrasi serta mengintegrasikan dengan bidang lain | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui konsep perencanaan produksi? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui konsep perhitungan volume? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui kaidah dan analisa produktivitas? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui prinsip mengestimasi biaya? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui metode penjadwalan? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui konsep alokasi sumber daya? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui konsep gantt chart, diagram garis, ADM (Arrow Diagramming Method), PDM (Precedence Diagramming Method), PERT (Project Evaluation Review Technique)? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui kurva relasi biaya dan waktu? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui prinsip pengadaan, jenis pengadaan, dokumen kontrak, sistem lelang dan tender? | |  |  |  |  |  |  |  |  |  |  | | 1.10 | Pengadaan, jenis pengadaan, dokumen kontrak, sistem lelang dan tender. | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | K603 Mekanika Kelelahan & Kepecahan | | | | | | | | | | | | **SKS** | | 3 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Memahami proses kegagalan akibat beban fatigue dan kegagalan dengan pendekatan fracture mechanic 2. Mampu menganalisa kurva S-N 3. Mampu mengestimasi umur sisa struktur yang memiliki inisial retakan 4. Mampu menganalisa kelelahan sambungan pada struktur dengan pendekatan deterministik, cumulative damage 5. Mampu menganalisa kelelahan sambungan dengan metode spectral | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui konsep pengenalan Fatigue assessment dengan metode cumulative damage  dan Fracture mechanic? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui kurva S-N ? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui fenomena fracture mechanics (Fracture toughness, SIF) ? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui fenomena fatigue crack growth (Paris law) ? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui prinsip fatigue assessment dengan metode deterministik? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui prinsip fatigue assessment dengan metode Full Spectral? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | K604 Metodologi Penelitian | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mampu menginternalisasi nilai, norma dan etika akademik, serat bertanggung jawab dalam pekerjaannya. 2. Menguasai SOP dan prinsip perancangan dan menerapkan pikiran logia, kritis, inovatif serta melakukan riset yang mencakup identifikasi, formulasi dan analisis masalah. 3. Merumuskan alternatif solusi dengan memperhatikan faktor-faktor ekonomi, kesehatan dan keselamatan publik, kultural, sosial dan lingkungan laut (marine environmental consideration); | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui jenis, kriteria, jenis dan metode penelitian? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui cara melakukan review dan penialai kritis terhadap sebuah karya ilmiah ? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui cara merumuskan masalah penelitian? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui cara membuat rancangan penelitian | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui model pengumpulan data? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui kaidah pemodelan, simulasi dan aplikasi untuk mengolah data? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui cara menampilkan hasil penelitian dalam format penelitian? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui jenis-jenis citation | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui kaidah pembuatan proposal penelitian? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | K605 Sistem Kelistrikan Kapal | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa memahami tentang teori dasar dan satuan kelistrikan, sumber energi listrik dan energi alternatif 2. Mahasiswa memahami komponen-komponen kelistrikan dan simbolsimbol kelistrikan pada kapal 3. Mahasiswa memahami tentang pembangkit listrik pada kapal, instalasi kelistrikan pada kapal dan regulasi kelistrikan pada kapal 4. Mahasiswa memahami tentang dasar-dasar inspeksi electric & electronic outfitting (EEO) pada kapal dalam proses pembangunan dan perbaikan kapal sesuai dengan standar yang berlaku di bidang perkapalan | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui prinsip Listrik Kapal?  ● Teori dan Satuan Dasar Kelistrikan  ● Konduktor dan Isolator  ● Rangkaian Listrik  ● Pengenalan Kelistrikan Kapal  ● Peralatan dan Keselamatan kerja Listrik di kapal | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui sumber Listrik dan Energi Alternatif?  ● Energi Tak Terbarukan  ● Energi Terbarukan | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui prinsip AC dan DC Circuit? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui konsep ship Generator? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui prinsip peralatan Listrik (Motor Listrik dan Electronic System)? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui cara membaca gambar Listrik Kapal (Dasar-Dasar Gambar Listrik dan Simbol Peralatan Listrik)? | |  |  |  |  |  |  |  |  |  |  | | 1.7 | Apakah Anda mengetahui kaidah Single Line Diagram (Block Diagram, Wiring Diagram, One Line Diagram)? | |  |  |  |  |  |  |  |  |  |  | | 1.8 | Apakah Anda mengetahui kaidah load analysis (Load List dan Vessel Condition)? | |  |  |  |  |  |  |  |  |  |  | | 1.9 | Apakah Anda mengetahui komponen listrik kapal (lighting, switch, socket, plug, cable dan panel)? | |  |  |  |  |  |  |  |  |  |  | | 1.10 | Apakah Anda mengetahui proses instalasi Listrik di Kapal (Persyaratan Umum Instalasi Listrik, Penetration, Component/Panel Installation, Pulling Cable & Supports dan Termination)? | |  |  |  |  |  |  |  |  |  |  | | 1.11 | Apakah Anda mengetahui kaidah Electrical Propulsion system and Control? | |  |  |  |  |  |  |  |  |  |  | | 1.12 | Apakah Anda mengetahui regulasi dan standarisasi kelistrikan kapal? | |  |  |  |  |  |  |  |  |  |  | | 1.13 | Apakah Anda mengetahui proses Inspeksi electric & electronic outfitting (EEO) pada kapal? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | K606 Statistika Teknik | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mampu menentukan statistika deskriptif 2. Mahasiswa mampu menentukan confidence intervals 3. Mahasiswa mampu menentukan t-Test 4. Mahasiswa mampu menentukan ANOVA 5. Mahasiswa mampu menentukan Regresi Linier 6. Mahasiswa mampu menentukan Time Series | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui statistika deskriptif? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui cara menentukan confidence intervals? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui konsep t-Test? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui tool ANOVA? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui prinsip regresi linier? | |  |  |  |  |  |  |  |  |  |  | | 1.6 | Apakah Anda mengetahui cara penentuan time series? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **MATA KULIAH SEMESTER 7** | | | | | | | | | | | | | | **Kode dan Nama Mata Kuliah** | | KP701 Etika Profesi | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mampu bekerja sama, berkomunikasi, dan berinovatif dalam pekerjaannya 2. Mampu bertanggungjawab atas pencapaian hasil kerja kelompok dan melakukan supervisi dan evaluasi terhadap penyelesaian pekerjaan yang ditugaskan kepada pekerja yang berada di bawah tanggungjawabnya | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui konsep dasar etika? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui konsep dasar profesi? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui prinsip etika profesi? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui prinsip etika profesi teknik? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui organisasi profesi? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP702 Laporan Praktik Industri 1 | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | Mahasiswa mampu menyusun dan menyampaikan laporan kegiatan praktik industri pada 4-6 bulan pertama dari pelaksanaan praktik industri menggunakan format yang telah ditentukan serta memenuhi persyaratan berupa monitoring baik oleh pembimbing dari kampus maupun dari industri | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui konsep penyusunan dokumen logbook mingguan? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui prinsip pelaporan kegiatan praktik industri? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui administrasi monitoring kegiatan praktik industri? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP703 Praktik Industri 1 | | | | | | | | | | | | **SKS** | | 12 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mendapatkan pengalaman dalam dunia kerja yang merupakan implementasi ilmu dan pengetahuan yang telah didapat selama menempuh perkuliahan didalam kampus. 2. Mahasiswa mampu mengaplikasikan dan membandingkan konsep-konsep ilmu rekayasa dan manajemen proyek pada pekerjaan desain/inspeksi pengelasan/PPC (production, planning, & control) pada industri perkapalan | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui aspek pengalaman dalam dunia kerja melalui praktik industri? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui konsep penerapan dan komparasi pengalaman dari pekerjaan di industri? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **MATA KULIAH SEMESTER 8** | | | | | | | | | | | | | | **Kode dan Nama Mata Kuliah** | | KP801 Laporan Akhir Studi | | | | | | | | | | | | **SKS** | | 4 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | Mampu menginternalisasi nilai, norma, dan etika akademik, bekerja mandiri, menguasai penerapan ilmu pengetahuan dan teknologi dalam bidang perkapalan dan bidang apung lainnya serta menyusunnya dalam bentuk kertas kerja yang didalamnya meliputi penerapak ilmu pengetahuan dan  teknologi serta rekayasa kompleks. | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui prinsip administrasi laporan akhir studi? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui kaidah penulisan laporan akhir studi? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui kaidah pembuatan revisi laporan akhir studi? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui perangkat laporan akhir? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP802 Laporan Praktik Industri 2 | | | | | | | | | | | | **SKS** | | 2 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | Mahasiswa mampu menyusun dan menyampaikan laporan kegiatan praktik industri pada pelaksanaan praktik industri kedua selama satu semester (bulan ke-6 hingga ke-12) menggunakan format yang telah ditentukan serta memenuhi persyaratan berupa monitoring baik oleh pembimbing dari kampus maupun dari industri | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui penyusunan dokumen logbook mingguan oleh mahasiswa? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui hal-hal yang harus dihindari dari penyusunan logbook mingguan? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui konsep penyusunan logbook mingguan berbahasa inggris? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui prinsip monitoring logbook oleh dosen pembimbing kampus dan pembimbing perusahaan? | |  |  |  |  |  |  |  |  |  |  | | 1.5 | Apakah Anda mengetahui konsep penyusunan laporan akhir praktik industri pada durasi 4-6 bulan pertama? | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Kode dan Nama Mata Kuliah** | | KP803 Praktik Industri 2 | | | | | | | | | | | | **SKS** | | 12 SKS | | | | | | | | | | | | **Capaian Pembelajaran Umum** | | 1. Mahasiswa mendapatkan pengalaman dalam dunia kerja yang merupakan implementasi ilmu dan pengetahuan yang telah didapat selama menempuh perkuliahan didalam kampus. 2. Mahasiswa mampu mengaplikasikan dan membandingkan konsepkonsep ilmu rekayasa dan manajemen proyek pada pekerjaan desain/inspeksi pengelasan/PPC (production, planning, & control) pada industri perkapalan 3. Mahasiswa terlibat aktif dalam kegiatan project yang dilaksanakan oleh perusahaan tempat magang | | | | | | | | | | | | **No.**  **CPK** | Daftar Pertanyaan (Asesmen Mandiri/*Self Assessment*) | | **Penilaian** | | | | | Bukti-bukti Pendukung | **Diisi Asesor** | | | | |  | | | | | | **1** | **2** | **3** | **4** | **5** | **V** | **A** | **T** | **M** | | 1.1 | Apakah Anda mengetahui aspek pengalaman dalam dunia kerja melalui praktik industri? | |  |  |  |  |  |  |  |  |  |  | | 1.2 | Apakah Anda mengetahui konsep penerapan dan komparasi pengalaman dari pekerjaan di industri? | |  |  |  |  |  |  |  |  |  |  | | 1.3 | Apakah Anda mengetahui pelaksanaan monitoring praktik industri oleh dosen pembimbing kampus dan koordinator praktik industri? | |  |  |  |  |  |  |  |  |  |  | | 1.4 | Apakah Anda mengetahui proses evaluasi pelaksanaan praktik industri? | |  |  |  |  |  |  |  |  |  |  |   **Dst…**   |  |  |  | | --- | --- | --- | | **Rekomendasi Asesor :**    Asesmen dilanjutkan  Asesmen tidak dilanjutkan | **Peserta** | | | Nama |  | | Tanda tangan/  Tanggal |  | | **Catatan :**  Asesi (telah/belum) \*menyatakan dirinya kompeten. Jika belum menyatakan dirinya kompeten tuliskan Nomor Indikator CP Mata Kuliah yang belum kompeten:  ................................................................................................  Bukti yang dimikili oleh Asesi (telah/belum)\* memenuhi persyaratan asesmen sesuai dengan persyaratan CP Mata Kuliah.  Tuliskan nama bukti jika belum memenuhi persyaratan asesmen sesuai dengan persyaratan Capaian Pembelajaran:  ………………………………………………………………………….. | **Asesor** | | | Nama |  | | Tanda tangan/  Tanggal |  | |