

Ship Design Engineering Review Workshop

5 Hari Training | Ship Design Academy

DESKRIPSI

Workshop ini memberikan pemahaman tentang Prinsip-prinsip Dasar Engineering dalam mendesain sebuah kapal dalam rangka mendapatkan persetujuan (approval) dari Badan Klasifikasi Nasional, PT. BKI (Persero) terkait dari Hull, Machinery dan Electrical drawings, sehingga gambar-gambar Engineering tersebut dapat dikirimkan dengan harapan lebih efisien dan efektif dan mendapatkan persamaan pandangan/persepsi antara Ship Designer dan Engineering reviewer dari Divisi Persetujuan Rancang Bangun (PRB), PT. BKI (Persero).

TUJUAN

1. Memahami informasi secara umum perihal ships & shipbuilding, class systematic, ship's operation condition dan critical points, ships' general systems & function, hull structure and force fow, strength, concept & design points, dan design basic general hull Rules background.
2. Memahami Basic concept of machinery & electrical systems (Design principles, machinery & electrical equipment and the function, electrical distribution principles & redundancy, Instrumentation & control systems, Emergency source, General Installation onboard)

MATERI

1. Organization of maritime regime, Rules & Regulations, Class roles, Shipyard position.
2. Ships structure & Basic design concept (Bulk carriers/Tankers/Containers – structure and details.)
3. Hierarchy of hull structure & Strength, Information on hull production & inspection.
4. Basic principles of accommodation design, Basic principles of machinery arrangement, piping, ventilation and insulation

5. General review of machinery outfitting, hulloutfitting, piping and accommodation outfitting
6. Acceptance Criteria Class-Review for Classification Rules for Hull, Machinery, Electrical, & Material
7. Acceptance Criteria for Accommodation & Recreational Facilities drawings on Regulation 3.1 and Standard A3.1 Maritime Labour Convention 2006 (the size of rooms and other accommodation spaces; heating and ventilation; noise and vibration and other ambient factors; sanitary facilities; lighting; hospital accommodation, etc.).
8. Basic concept of machinery & electric systems (Design principles, Machinery and Electrical equipment and the function, Distribution principles & redundancy, Instrumentation and control systems, Emergency source, General Installation onboard).
9. Bulk carrier design concept and parameters (Scantling calculation and strength analysis, Structural detail & function of bulk carriers, Theoretical knowledge of beams/loads/strength, CSR for bulk carriers).
10. Cargo handling system and cargo vessels, Applicable Class Rules and international requirements (Design principles of ballast, bilge, air, sounding, deck, fire-fighting, fire integrity, load line and ventilation system in cargo area)

SIAPA YANG PERLU IKUT

1. Ship Designer
2. Ship Engineering, Shipping Production
3. Marine Insurance
4. Ship-Owner Surveyor, QC and Supervisor.
5. Maritime Practitioner

METODE PEMBELAJARAN

- Presentasi
- Diskusi
- Studi Kasus
- Role Play
- Evaluasi

FASILITAS

- Training Module (PDF Format)
- Certificate



INFORMASI & PENDAFTARAN

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