

KEMENTERIAN PERHUBUNGAN REPUBLIK INDONESIA  
DIREKTORAT JENDERAL PERHUBUNGAN LAUT



MINISTRY OF TRANSPORTATION OF THE REPUBLIC OF INDONESIA  
DIRECTORATE GENERAL OF SEA TRANSPORTATION

## SERTIFIKAT KETERAMPILAN CERTIFICATE OF PROFICIENCY

Nomor Seri/ Serial No.

**CP4703723**

Dengan ini dinyatakan bahwa  
*This is to certify that*

Nama  
*Name*

**:: DIAN HUSYAIN LUBIS**

Tempat dan tanggal lahir : **UJUNG GADING , 02 June 1991**  
*Place and date of birth*

telah menyelesaikan pelatihan dan lulus evaluasi :  
*has completed approved training and passed the assessment of*

### ENGINE ROOM RESOURCE MANAGEMENT

yang dilaksanakan oleh : **STIP Jakarta**  
*which has held by*

di : **Jakarta**

at : **02 November 2021 to 05 November 2021**

Sesuai ketentuan STCW 1978 beserta dengan amandemennya, Peraturan Chapter III, Section A-III/1, A-III/2, A-III/3 and Chapter VIII Section A-VIII/2 & B-VIII/2 STCW 2010  
*in accordance with the provisions of STCW 1978 as amended, Regulation Chapter III, Section A-III/1, A-III/2, A-III/3 and Chapter VIII Section A-VIII/2 & B-VIII/2 STCW 2010*  
yang telah mendapat pengesahan dari Direktorat Jenderal Perhubungan Laut selaku Administrasi.  
*which has been approved by the Directorate General of Sea Transportation as Administration.*

**Jakarta, 02 December 2021**

**Dan Direktur Jenderal Perhubungan Laut**  
**O.b. Director General of Sea Transportation**  
**Ketua/Direktur/Kepala**  
**Principal/Director/Head**

Tandatangan Pemilik  
*Signature of the Holder*



**AMIRUDDIN, MM**



## **ENGINE ROOM RESOURCE MANAGEMENT**

### **Subject Area**

Based on STCW 2010 Reg. III/1-2 and STCW Code Section A-III/1

#### **Knowledge of Engine-Room Resource Management Principles**

##### **1. Allocation, Assignment and Prioritization of Resources**

- 1.1 Engine room organization and procedures
- 1.2 Maintain a safe engineering watch

##### **2. Effective Communication**

##### **3. Assertiveness and Leadership**

- 3.1 Leadership and Group Decision Making

##### **4. Obtaining and Maintaining Situational Awareness**

- 4.1 Situational Awareness and Error Trapping

##### **5. Consideration of Team Experience**

- 5.1 Management of Stress and Distractions
- 5.2 Fatigue and Circadian Rhythm
- 5.3 Multicultural Diversity

##### **6. Familiarization with Engine Room Simulator**

##### **7. Simulation**

- 7.1 Simulation 1 : Engine Room Organization and Procedures; Team Building and Development; Leadership and Group Decision Making; Communication
- 7.2 Simulation 2 : Communication; Multicultural Diversity; Situational Awareness and Error Trapping; Management of Stress and Distraction; Fatigue and Circadian Rhythm; Assignment of Engine Room Personnel; Engine Room Preparation before Departure; Manoeuvring for Departure; Watch Keeping Routines and Handing Over; Engine Room Preparation before Arrival; Manoeuvring for Arrival; Securing Engine Room after Finished; Trouble Shooting

##### **8. Assessment and Evaluation**