



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.

**CP5531871**

Dengan ini dinyatakan bahwa  
*This is to certify that*

Nama

*Name*

Tempat dan tanggal lahir

*Place and date of birth*

**MUH. AWALUDDIN**

**UJUNG PANDANG , 06 February 1990**

telah menyelesaikan pelatihan dan lulus evaluasi :

*has completed approved training and passed the assessment of*

### BRIDGE RESOURCE MANAGEMENT

yang dilaksanakan oleh **PIP Makassar**

*which has held by*

di **Makassar**

at **15 February 2023 to 18 February 2023**

Sesuai ketentuan STCW 1978 beserta dengan amandemennya, Peraturan **Section A-IV/1 STCW 2010**

*in accordance with the provisions of STCW 1978 as amended, Regulation Section A-IV/1 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.*

Tandatangan Pemilik

*Signature of the Holder*



**PIP Makassar**



**Makassar, 21 February 2023**

An. Direktur Jenderal Perhubungan Laut

O.b. Director General of Sea Transportation

**Kepala/Direktur/Kepala  
Principal/Director/Head**

**Capt. SUKIRNO, M.M.Tr., M.Mar.**



## **BRIDGE RESOURCE MANAGEMENT**

### **Subject Area**

**Based on Reg. A-II/1 and STCW Code Section A-II/1**

#### **Knowledge of Bridge Resource Management Principles**

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

- 1.1 Bridge organization and procedures
- 1.2 Maintain a safe navigational watch
- 1.3 Voyage planning

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

- 2.1 Effectiveness of Information Exchange with Pilot

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

- 3.1 Leadership and Group Decision Making

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

- 4.1 Situational Awareness and Error Trapping
- 4.2 Casualty Cause and Prevention
- 4.3 Challenge and Response

##### **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 Bridge Simulator**

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

- 7.1 Simulation I : Narrow Channel and Dense Traffic
- 7.2 Simulation II : Emergency Response

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