



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.

CP5086866

Dengan ini dinyatakan bahwa

This is to certify that

Nama

Name

Tempat dan tanggal lahir :

Place and date of birth

.. **ZAENAL ARIFIN**

TULIS, BATANG , 19 December 1979

telah menyelesaikan pelatihan dan lulus evaluasi :

has completed approved training and passed the assessment of

BRIDGE RESOURCE MANAGEMENT

yang dilaksanakan oleh : **PIP Semarang**

which has held by

Semarang

di : **20 June 2022 to 24 June 2022**
at :

Section A-II/1 STCW 2010

Sesuai ketentuan STCW 1978 beserta dengan amandemennya, Peraturan :

in accordance with the provisions of STCW 1978 as amended, Regulation

yang telah mendapat pengesahan dari Direktorat Jenderal Perhubungan Laut selaku Administrasi.

which has been approved by the Directorate General of Sea Transportation as Administration.

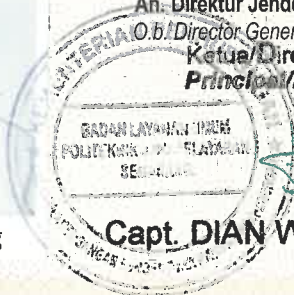
Semarang, 24 June 2022

Tandatangan Pemilik
Signature of the Holder



PIP Semarang

An. Direktur Jenderal Perhubungan Laut
O.b./ Director General of Sea Transportation
Ketua/Direktur/Kepala
Principle/Director/Head



Capt. DIAN WAHDIANA, M.M.



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