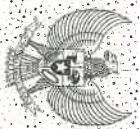




KEMENTERIAN PERHUBUNGAN REPUBLIK INDONESIA
DIREKTORAT JENDERAL PERHUBUNGAN LAUT



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

SERTIFIKAT KETERAMPILAN
CERTIFICATE OF PROFICIENCY

Nomor Seri/ Serial No.

CP4529503

Dengan ini dinyatakan bahwa

This is to certify that

Nama

Name

ILMA LUTFI

Tempat dan tanggal lahir

JEPARA, 15 March 1976

Place and date of birth

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

ARPA SIMULATOR

yang dilaksanakan oleh **BINA SENA MARITIME TRAINING CENTER**
which has held by

Jakarta
at 4 August 2021 to 18 August 2021

Sesuai ketentuan STCW 1978, beserta dengan amendemennya, Peraturan Section A-II/1.5, A-II/2.2 STCW 2010
in accordance with the provisions of STCW 1978 as amended, Regulation, Section A-II/1.5, A-II/2.2 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, 01 September 2021

Tandatangan Pemilik
Signature of the Holder



BINA SENA MTC

An Direktur Jenderal Perhubungan Laut
01 Director General of Sea Transportation
Ketua Direktur/Kepala
Principal/Director/Head



FERRY PARANG TIRTA, S.Kom.

AUTOMATIC RADAR PLOTTING AIDS (ARPA) SIMULATOR TRAINING

Subject Area

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

Use of ARPA to Maintain Safety of Navigation

1. Knowledge of the fundamentals automatic radar plotting aids (ARPA)
2. Principal type of ARPA
3. Ability to operate and to interpret and analyse information obtained from ARPA
 - 3.1 System performance and accuracy, tracking capabilities and limitation, and processing delay
 - 3.2 Use of operation warnings and system test
 - 3.3 Methods of target acquisition and their limitation
 - 3.4 True and relative vectors, graphic representation of target information and danger areas
 - 3.5 Deriving and analysing information, critical echoes, exclusion areas and trial manoeuvres
4. Evaluation of navigational information derived from ARPA in order to make and implement command decision For collision avoidance and for directing the safe navigation of the ship
5. Assessment and Evaluation