

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.

Nomor Sertifikat / Certificate No.

6200117433020319

CP5932638

Dengan ini dinyatakan bahwa

This is to certify that

Nama

"ZAENAL ARIFIN

Tempat dan tanggal lahir : TULIS, BATANG, 19 DECEMBER 1979

Place and date of birth

telah menyelesaikan pelatihan dan lulus evaluasi:

has completed approved training and passed the assessment of

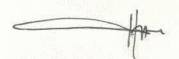
ARPA SIMULATOR Revalidation

yang dilaksanakan oleh :PIP Semarang which has held by

di : Semarang

at: 12 September 2014 to 13 September 2014

Sesuai ketentuan STCW 1978 beserta dengan amandemennya, Peraturan Section A-II/1.5,A-II/2.2 STCW 2010 in accordance with the provisions of STCW 1978 as amanded, 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.



Tandatangan Pemilik Signature of the Holder





PIP Semarang

Semarang, 25 August 2023

An-Direktur Jenderal Perhubungan Laut O.b. Director General of Sea Transportation

Ketua/Direktur/Kepala Principal/Director/Head

OU BRHIK LAU PELAN SERRY SING.

Dr. Capt. TRI CAHYADI, M.H., M.Mar.



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, ghrapic 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