



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.

CP6209783

Nomor Sertifikat / Certificate No.

6201292357020124

Dengan ini dinyatakan bahwa

This is to certify that

Nama

:: **HARIS HERMAN**

Nama

Tempat dan tanggal lahir : **BUKITTINGGI, 02 February 1991**

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 : STIP Jakarta  
which has held by

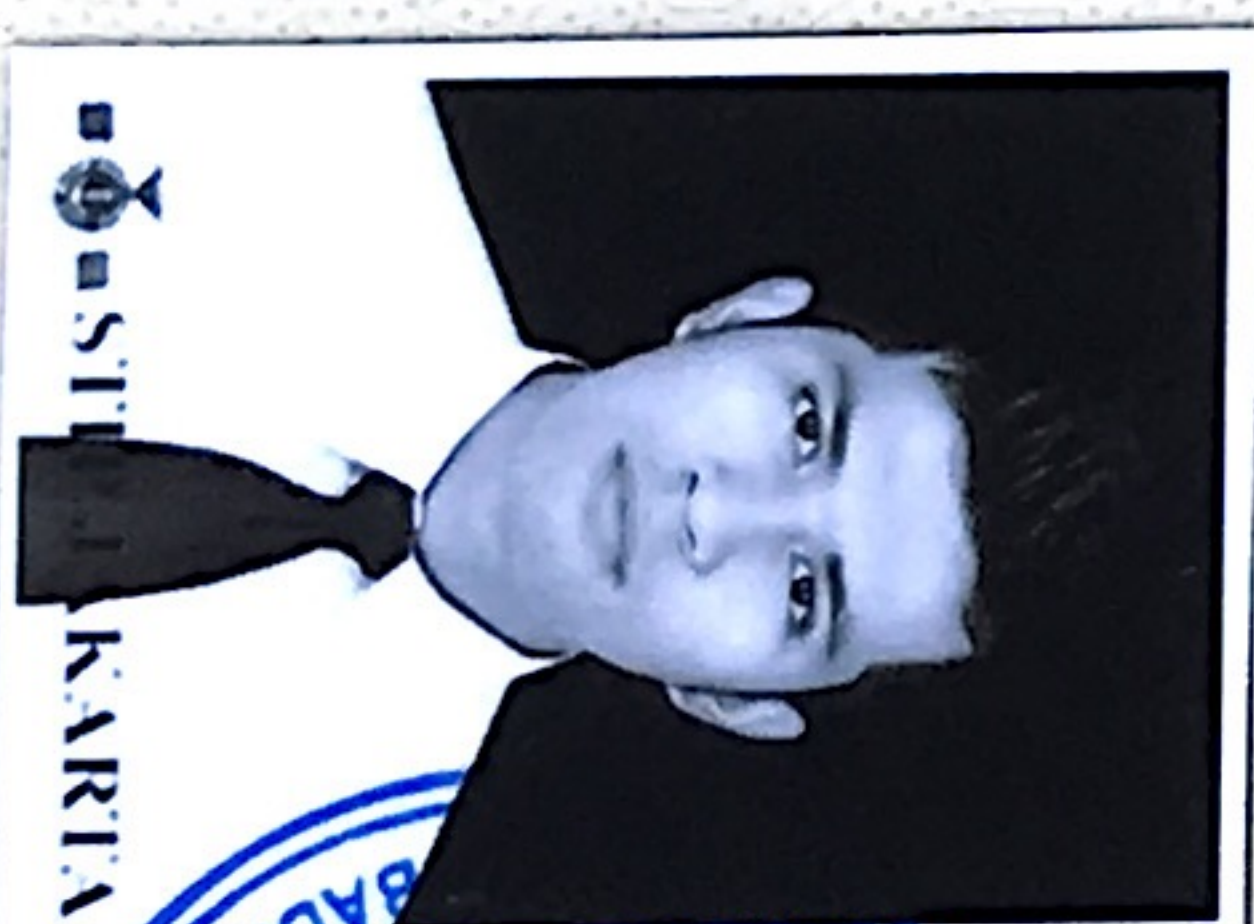
di : Jakarta

at : 15 January 2024 to 18 January 2024

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, 25 January 2024

Tandatangan Pemilik  
Signature of the Holder



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



H. AHMAD WAHID, S.T., M.T., M.Mar.E.



# **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