

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.

CP6213221

Nomor Sertifikat / Certificate No.

6201292357030124

Dengan ini dinyatakan bahwa

This is to certify that

Nama

:: **HARIS HERMAN**

Name

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

RADAR SIMULATOR

yang dilaksanakan oleh : **STIP Jakarta**
which has held by

di : Jakarta
at : 08 January 2024 to 13 January 2024

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 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.

Jakarta, 18 January 2024

Tandatangan Penilik
Signature of the Holder



STIP JAKARTA

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



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

RADAR SIMULATOR
Subject Area

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

Use of RADAR to Maintain Safety of Navigation

1. Radar navigation
2. Knowledge of the fundamentals RADAR
3. Ability to operate and to interpret and analyse information obtained from RADAR
 - 2.1. Performance of :
 - 2.1.1 factor affecting performance and accuracy
 - 2.1.2 setting up and maintaining displays
 - 2.1.3 detection of misrepresentation of information, false echoes, sea return, etc., racons and SARTs
 - 2.2. Use of :
 - 2.2.1 Range and bearing; course and speed of other ships; time and distance of crossing, meeting overtaking ships
 - 2.2.2 Identification of critical echoes; detecting course and speed changes of other ships; effect of changes in own ship's course or speed or both
 - 2.2.3 Application of the international regulation for preventing collision at sea, 1972, as amended
 - 2.2.4 Plotting techniques and relative – and true – motion concepts
 - 2.2.5 Parallel indexing
4. Evaluation of navigational information derived from RADAR in order to make and implement command decision for collision avoidance and for directing the safe navigation of the ship
5. Assessment and Evaluation