



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.

**CP 1317957**

Dengan ini dinyatakan bahwa

*This is to certify that*

Nama

*Name*

Tempat dan tanggal lahir : **SURABAYA, 14 December 1992**

*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 : **PIP Semarang**

*which has held by*

di : **SEMARANG**

at : **28 January 2013 to 30 January 2013**

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.*

Tandatangan Pemilik

*Signature of the Holder*



**SEMARANG, 18 March 2016**

An. Direktur Jenderal Perhubungan Laut

*For Director General of Sea Transportation*

atau/Direktur/Kepala

*Principal/Director/Head*

POLITEKNIK  
LMU PELAYARAN  
SEMARANG

**Capt. WSNU HANDOKO, M.Sc.**

## **AUTOMATIC RADAR PLOTTING AIDS ( ARPA ) SIMULATOR**

### **Subject Area**

**Based on Table A.II/2 STCW Code and Model Course 1.08**

1. Introduction
2. Review of Plotting Techniques
3. Principal ARPA systems
4. IMO Performance Standards for Automatic Radar Plotting Aids (ARPA)
5. Acquisition of Targets
6. Tracking Capabilities and Limitations
7. Processing Delays
8. Setting up and Maintaining Displays
9. Representation of Target Information
10. Error of Interpretation
11. Error in Displayed Data
12. System operational tests
13. Risks of Over reliance on ARPA
14. Obtaining Information from ARPA Displays
15. Application of COLREG 1972
16. Review and Final Assessment