



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.

CP5933409

Dengan ini dinyatakan bahwa
This is to certify that

Nama

:: ZAENAL ARIFIN

Name

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

ADVANCED FIRE FIGHTING 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-VI/3 STCW 2010**

in accordance with the provisions of STCW 1978 as amended, Regulation **Section A-VI/3 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, 26 August 2023

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

Ketua/Direktur/Kepala
Principal/Director/Head



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



Sertifikat ini berlaku untuk 5 (lima) tahun sejak tanggal diterbitkan
This Certificate is valid for 5 (five) years commenced from the date of issuance

ADVANCED FIRE FIGHTING

Subject Area

Based on Reg. VI/3 and STCW 2010 Code Section A-VI/3

1. Control Fire Fighting Operations Aboard Ships

- 1.1 Fire fighting procedures at sea and in port, with particular emphasis on organization, tactics and command
- 1.2 Use of water for fire-extinguishing, the effect on ship stability, precautions and corrective procedures
- 1.3 Communication and coordinating during fire-fighting operations
- 1.4 Ventilation control, including smoke extraction
- 1.5 Control of fuel and electrical system
- 1.6 Fire fighting process hazards (dry distillation, chemical reactions, boiler uptake fires, etc)
- 1.7 Fire fighting involving dangerous goods
- 1.8 Fire precautions and hazards associated with the storage and handling of materials (paints, etc)
- 1.9 Management and control of injured persons
- 1.10 Procedures for coordination with shore-based fire fighters

2. Organize and train fire parties

- 2.1 Preparation of contingency plans
- 2.2 Composition and allocation of personnel to fire parties
- 2.3 Strategies and tactics for control of fires in various parts of the ship

3. Inspect and Service Fire-Detection and Fire-Extinguishing System and Equipment

- 3.1 Fire detection system, fixed fire-extinguishing system, portable and mobile free extinguishing equipment
- 3.2 Requirements for statutory and classification surveys

4. Investigate and Compile Reports on Incidents Involving Fire

- 4.1 Assessment of cause of accident involving fire

5. Assessment and Evaluation