



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 Sert / Serial No.

Nomor Sertifikat / Certificate No.

CP 4570121

6212125918060521

Dengan ini dinyatakan bahwa  
This is to certify that

Nama: ANGGORO PUTRA HERWANDA  
Name: ANGGORO PUTRA HERWANDA

Tempat dan tanggal lahir  
Place and date of birth

ANGGORO PUTRA HERWANDA  
BANGKALAN, 17 April 2000

telah menyelesaikan pelatihan dan lulus evaluasi  
has completed approved training and passed the assessment of

### ADVANCED FIRE FIGHTING

yang dilaksanakan oleh: POLTEKPEL Surabaya  
which has held by

Surabaya  
at 16 September 2021 to 20 September 2021

Sesuai ketentuan STCW 1978 beserta dengan amandemennya, Peraturan  
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.

Surabaya, 01 October 2021



An. Direktur Jenderal Perhubungan Laut  
O.b. Director General of Sea Transportation  
Ketua Direktur/Kepala  
IDAN LAYANAN PRINCIPAL/DIRECTOR/HEAD  
JEMAH PELAYANAN SURABAYA

Tandatangan Pemilik  
Signature of the Holder



Cap: DIAN WAHDIANA, M.M.

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**