

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.

**CP4289910**

Nomor Sertifikat / Certificate No.

**6202115713390321**

Dengan ini dinyatakan bahwa

*This is to certify that*

Nama

*Name*

**:: TEGAR ARMianto**

Tempat dan tanggal lahir :

*Place and date of birth*

**JAKARTA , 05 October 1993**

telah menyelesaikan pelatihan dan lulus evaluasi :

*has completed approved training and passed the assessment of*

**BASIC TRAINING FOR OIL AND CHEMICAL TANKER CARGO OPERATIONS Revalidation**

yang dilaksanakan oleh : PIP Semarang

*which has held by*

di : Semarang

at : 03 October 2016 to 08 October 2016

Sesuai ketentuan STCW 1978 beserta dengan amandemennya, Peraturan : Chapter V, Section A-V/1-1-1 STCW 2010  
*in accordance with the provisions of STCW 1978 as amended, Regulation Chapter V, Section A-V/1-1-1 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.*

**Semarang , 01 April 2021**

Tandatangan Pemilik

*Signature of the Holder*



PIP Semarang



**An. Direktur Jenderal Perhubungan Laut**

**O.b. Director General of Sea Transportation**

**Ketua/Direktur/Kepala**

**Principal/Director/Head**

**Dr. Capt. MASHUDI ROFIK, M.Sc**



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

## **BASIC TRAINING FOR OIL AND CHEMICAL TANKER CARGO OPERATIONS**

### **Subject Area**

**Based on Reg. V/1-1 STCW 2010 Code Section A-V/1-1-1**

- 1. Contribute to the safe cargo operation of oil and chemical tankers**
  - 1.1 Basic knowledge of tankers
  - 1.2 Basic knowledge of cargo operations
  - 1.3 Basic knowledge of the physical properties of oil and chemicals
  - 1.4 Knowledge and understanding of tanker safety culture and safety management
- 2. Take precautions to prevent hazards**
  - 2.1 Basic knowledge of the hazards associated with tanker operations
  - 2.2 Basic knowledge of hazard controls
  - 2.3 Understanding of information on a Material Safety Data Sheet (MSDS)
- 3. Apply occupational health and safety precautions and measures**
  - 3.1 Function and proper use of gas-measuring instruments and similar equipment
  - 3.2 Proper use of safety equipment and protective devices
  - 3.3 Basic knowledge of safe working practices and procedures in accordance with legislation and industry guidelines and personal shipboard safety relevant to oil and chemical tankers
  - 3.4 Basic knowledge of first aid with reference to a Material Safety Data Sheet (MSDS)
- 4. Carry out fire-fighting operations**
  - 4.1 Tanker fire response organization and action to be taken
  - 4.2 Fire hazards associated with cargo handling and transportation of hazardous and noxious liquids in bulk
  - 4.3 Fire-fighting agents used to extinguish oil and chemical fires
  - 4.4 Fixed fire-fighting foam system operations
  - 4.5 Portable fire-fighting foam operations
  - 4.6 Fixed dry chemical system operations
  - 4.7 Spill containment in relation to fire-fighting operations
- 5. Respond to emergencies**
  - 5.1 Basic knowledge of emergency procedures, including emergency shutdown
- 6. Take precautions to prevent pollution of the environment from the release of oil or chemicals**
  - 6.1 Basic knowledge of the effects of oil and chemical pollution on human and marine life
  - 6.2 Basic knowledge of shipboard procedures to prevent pollution
  - 6.3 Basic knowledge of measures to be taken in the event of spillage
- 7. Assessment and Evaluation**