

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.

**CP3659466**

Nomor Sertifikat/ Certificate No.

**6200359612390719**

Dengan ini dinyatakan bahwa  
*This is to certify that*

Nama  
*Name*

**:: TRI HARJONO PAMUNGKAS**

Tempat dan tanggal lahir : **KLATEN , 07 July 1984**  
*Place and date of birth*

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 : **Pertamina Maritime Training Center - Jakarta**  
*which has held by*

di : **Semarang**  
at : **26 May 2015 to 30 May 2015**

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.*

  
Tandatangan Pemilik  
*Signature of the Holder*



PERTAMINA  
7AN-19-11-00153

**Jakarta , 15 November 2019**

**As. Direktur Jenderal Perhubungan Laut**  
*G.h. Director General of Sea Transportation*

**Kapal/Direktur/Kepala**  
*Principal/Director/Head*





**Capt. SOLEH KOMARUDIN, 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*

## 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. **Carryout 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
- Assessment and Evaluation

