



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.

CP5530232

Dengan ini dinyatakan bahwa
This is to certify that

Nama
Name

MUH. AWALUDDIN

Tempat dan tanggal lahir
Place and date of birth

UJUNG PANDANG , 06 February 1990

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 Makassar**
which has held by

di : **Jakarta**

at : **02 March 2015 to 07 March 2015**

Sesuai ketentuan STCW 1978 beserta dengan amandemennya, Peraturan
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.

Chapter V, Section A-V/1-1-1 STCW 2010

Makassar, 08 February 2023

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

Ketua Direktur/Kepala
Principal/Director/Head

Tandatangan Pemilik
Signature of the Holder



PIP Makassar



Capt. SUKIRNO, M.M.Tr., M.Mar.



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 as 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 ship board 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 as 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 shut down

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 ship board procedures to prevent pollution
- 6.3 Basic knowledge of measures to be taken in the event of spillage

7. Assessment and Evaluation