

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.

Nomor Sertifikat / Certificate No.

6211705027400420

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CP3724002

Dengan ini dinyatakan bahwa

This is to certify that

Nama Name

CHAKRA RUKKA

Tempat dan tanggal lahir

UJUNG PANDANG . 06 November 1996

Place and date of birth

telah menyelesaikan pelatihan dan lulus evaluasi :

has completed approved training and passed the assessment of

## ADVANCED TRAINING FOR CHEMICAL TANKER CARGO OPERATIONS

yang dilaksanakan oleh PIP Makassar which has held by

di Makassar

ató3 February 2020 to 08 February 2020

Sesual ketentuan STCW 1978 beserta dengan amandemennya, Peraturan by V. Section A.-VII.-1-3 STCW 2010 in accordance with the provisions of STCW 1978 as amanded, Regulation Chapter V. Section A.-VII.-1-3 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.

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Tandatangan Pemilik Signature of the Holder



PIP Makassar

Lakarta , 08 February 2020

O.b. Director Seneral of Sea Transportation

EPALA SUB DIRECTORAT KEPELAUTAN

O.B. Directorate Of Seafarer

CAPT. JAJA SUPARMAN, 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 TRAINING FOR CHEMICAL TANKER CARGO OPERATIONS Subject Area Based on Reg. V/1-1 STCW 2010 Code SectionA-V/1-1.3

1.	Ability to safely perform and monitor all cargo operations	Apply occupational healthand safety precautions     4.1 Knowledgeand understandingofsafe
	1.1 Knowledgeofchemical tankerdesigns, systems, and equipment     1.2 Knowledgeofpumptheory and characteristics, including typesofcargopumps and their safe operation	workingpractices,including riskassessmentandpersona shipboardsafetyrelevantto chemicaltankers
	1.3 Proficiencyin tankersafety cultureandimplementation ofsafetymanagementsystem	5. Respondto emergencies
	1.4 Knowledgeand understanding of monitoring andsafetysystems including theemergencyshutdown system	<ol> <li>Knowledgeand understandingofchemical tankeremergency procedures</li> </ol>
	1.5 Abilitytoperformcargo measurementsand calculations	5.2 Actionstobetakenfollowing collision,grounding,or spillage
	Knowledgeoftheeffectof bulkliquidcargoesontrim andstability andstructural integrity	5.3 Knowledgeofmedical first aidproceduresonboard chemicaltankers, with reference to the Medical First Aid Guide for Usein Accidents involving Dangerous Goods (MFAG)
	Knowledgeand understandingofchemical cargo-relatedoperations     Developmentandapplication ofcargo-relatedoperation plans, procedures and checklists	
	Abilitytocalibrateanduse monitoringandgas-detection systems, instrumentsand equipment     Abilityto manageand supervisepersonnelwith cargo-	Take precautionsto prevent pollutionofthe environment     Understandingofprocedures topreventpollutionofthe atmosphereandthe environment
	relatedresponsibilities	7. Monitorand control compliance withlegislative requirements
2.	Familiarity withphysical andchemical properties of chemical cargoes	7.1 Knowledgeand understandingofrelevant provisionsofthe
	<ol> <li>Knowledgeand understandingofthe chemicalandthephysical propertiesofnoxiousliquid substances</li> </ol>	fromShips(MARPOL)and otherrelevantIMO
	2.2 Understandingthe informationcontainedina MaterialSafetyDataSheet (MSDS)	instruments,industry guidelinesandport regulationsascommonly applied

7.2 Proficiencyin

documents

8. Assessment and Evaluation

theuseofthe

**IBCCodeandrelated** 

## 3. Take precautionsto prevent hazards

- 3.1 Knowledgeand understandingofthehazards and control measures associated with chemical tanker cargo operations
- 3.2 Knowledgear,dunderstandingofdangersofnon-compliance withrelevantrules/regulations