

LAMPIRAN 1

CREW LIST

Page No.
1

1. Name of ship M/V. JUPITER ACE			2. PORT OF ARRIVAL NIKOLAEV, UKRAINA			3. Date of Arrival/Departure			
4. Nationality of ship & call sign PANAMA / 3FLK4			5. LAST PORT OF CALL EREGLI, TURKEY			JUL 2016			
6 No.	7. Family name, Given names	8. Rank	9. Nationality	10. Date of birth	11. Place of birth	12. Date/Port Sign on	13. Number of Seamanbook, EXP DATE	14. SEX	15. Number of Passport, EXPIRY DATE
1	PARK JUPYONG	MASTER	REPUBLIC OF KOREA	03/02/1949	REPUBLIC OF KOREA PARANAGUA	02 DEC 2015 PERMANENT	BS741-43418 PERMANENT	M	M77792712 18/05/2020
2	YURRI FREDGARD UMBONUSA ROMPAH	C/O	INDONESIA	27/03/1977	BITUNG	11 FEB 2016 EREGLI	E 024114 15-10-2018	M	A 4203628 22/02/2018
3	LEO ARDIANSYAH	2/O	INDONESIA	15/07/1977	JAKARTA	25 OCT 2015 SAN ANTONIO	Y 053423 13-06-2018	M	B 1556440 01/07/2020
4	DAVID POLTAK	3/O	INDONESIA	16/10/1989	PANGKAL PINANG EREGLI	11 FEB 2016 EREGLI	D 066999 08-04-2018	M	B 2993379 19/01/2021
5	YAZID MIDKOLI	A/O	INDONESIA	20/06/1994	SRAGEN	11 AUG 2015 DURBAN	D 075064 05-06-2018	M	B 1490354 22/06/2020
6	JEONG YUN SEOB	C/E	REPUBLIC OF KOREA	25/12/1953	REPUBLIC OF KOREA EREGLI	11 FEB 2016 EREGLI	K5770-18083 PERMANENT	M	M52254063 09/10/2018
7	BUYUNG KHAIRIL HAKIM	1/E	INDONESIA	19/12/1972	SUKABUMI	25 OCT 2015 SAN ANTONIO	D 059558 19/03/2018	M	A 4027611 13/11/2017
8	ROMLI	2/E	INDONESIA	05/01/1981	KARAWANG	11 FEB 2016 EREGLI	Y 088402 16-11-2018	M	A 7156547 27/12/2018
9	EKO SETIONO	3/E	INDONESIA	21/03/1989	BANYUMAS	02 SEP 2015 DURBAN	X 026775 22-04-2017	M	A 8330985 22/05/2019
10	ANDRI GERALD KASEGO	A/E	INDONESIA	18/11/1994	HAASI	11 AUG 2015 DURBAN	D 072177 22-04-2018	M	B 1096235 29/04/2020
11	EKO SEPTIONO	BSN	INDONESIA	26/09/1969	MAGEPLAN	02 SEP 2015 DURBAN	C 008661 13-09-2016	M	A 3741737 18/09/2017
12	SUGIANTO	AB A	INDONESIA	05/03/1973	JAKARTA	02 SEP 2015 DURBAN	D 089907 29-06-2018	M	A 5706506 27/05/2018
13	YUSUP IRMAN	AB B	INDONESIA	07/05/1981	JAKARTA	02 SEP 2015 DURBAN	D 036758 12-01-2018	M	A 2903708 15/05/2017
14	HARI MUJIONO	AB C	INDONESIA	20/06/1982	MALANG	02 SEP 2015 DURBAN	E 004944 26-08-2018	M	A 3741738 18/09/2017
15	MUZAKKI	OS	INDONESIA	28/07/1988	BANGKALAN	02 SEP 2015 DURBAN	Y 069722 13-09-2016	M	A 3898318 05/10/2017
16	ASEP YAMINI	NO.1 OLR	INDONESIA	13/02/1965	JAKARTA	02 SEP 2015 DURBAN	D 000622 03-09-2017	M	A 8715021 24/07/2019
17	EDY PAMUJI RAHARJO	OLR A	INDONESIA	24/09/1965	JAKARTA	02 SEP 2015 DURBAN	E 004945 26-08-2018	M	B 1831372 21/08/2020
18	IRIN HENDRIYANTO	OLR B	INDONESIA	21/08/1981	MAJALENGKA	02 SEP 2015 DURBAN	A 047045 25-05-2017	M	A 7742381 05/03/2019
19	IRFAN HIDAYAT	OLR C	INDONESIA	06/05/1991	SALU BONE	02 SEP 2015 DURBAN	X 042399 11-05-2017	M	A 8714216 17/07/2019
20	ANDI ANWAR MAPPATUJU	WIPER	INDONESIA	26/09/1983	JAKARTA	02 SEP 2015 DURBAN	W 058927 03-08-2016	M	A 6629816 28/11/2018
21	AMAT WAHIB	C/CK	INDONESIA	12/06/1965	PURWOREJO	02 SEP 2015 DURBAN	B 030363 27-12-2017	M	A 8048074 08/05/2019
22	ERWIN JATI NUGRAHA	M/M	INDONESIA	20/06/1989	KULON PROGO	02 SEP 2015 DURBAN	E 001939 19-08-2018	M	A 2751059 04/06/2017
REPUBLIC OF KOREA - 2 PERSONS				CLOSED WITH (22) CREW MEMBERS INCLUDING MASTER				PARK JUPYONG MASTER OF JUPITER ACE	

LAMPIRAN 2

SHIP'S PARTICULARS						
NAME OF VESSEL	JUPITER ACE					
CALL SIGN : 3FLK4	TYPE OF VESSEL : BULK CARRIER					
PORT OF REGISTRY	PANAMA					
OFFICIAL NUMBER	41112-10					
INMARSAT C	435493811 / 435493812					
INMARSAT F	TEL : 870773110964 FAX : 870783112063 EMAIL : jupiterace@networkship.com					
MMSI	354938000					
IMO IDENTIFICATION NUMBER	9557214					
OWNER	SAMMOK SHIPPING LTD.S.A 53rd E Street, Urbanizacion Marbella, MMG Tower, 16 Floor, Panama City, PANAMA					
MANAGER	STX MARINE SERVICE CO., LTD. 16-18F, STX Pan Ocean Busan BLDG., 83-5, 4-Ka,Jungang-Dong,Jung-Ku,Busan, KOREA Tel. 82-51-461-2000 Fax. 82-51-461-2178					
CHARTERER	SAMMOK SHIPPING CO., LTD. 15F, Jangkyo BLDG., 1, Janggyo-Dong, Chung-Ku, Seoul, KOREA Tel. 82-2-778-8255 Fax. 82-2-778-8259					
CLASS	Korean Register of Shipping					
L.O.A.	177.40 Meters					
L.B.P.	168.00 Meters					
BREADTH MOULDED	28.20 Meters					
DEPTH MOULDED	14.20 Meters					
KEEL TO HIGHEST POINT	41.40 Meters					
LIGHT SHIP	8,584.9 MT					
YEAR BUILT : 15th Dec. 2009, KEEL LAID : 28th July 2008, LAUNCHED : 11th July 2009						
BUILDER	Zhejiang Hongxin Shipbuilding Co., Ltd., China					
INTERNATIONAL	20,141.00 Gross Tons 11,367.00 Net Tons					
SUEZ CANAL	20,953.86 Gross Tons 18,914.18 Net Tons					
PANAMA	Gross Tons 16,812.00 Net Tons					
LOADLINE	FREEBOARD	D R A F T	DEADWEIGHT			
F	3.596 m	10.636 m	33,448.3 MT			
T	3.819 m	10.413 m	33,484.9 MT			
S	4.032 m	10.200 m	32,527.2 MT			
W	4.245 m	9.987 m	31,567.0 MT			
WNA	4.245 m	9.987 m	31,567.0 MT			
Fresh Water Allowance : 228 mm						
MAIN ENGINE	MAN B&W 6S42MC MK7(UNO), 6,480 KW, 8,810 HP MCR : 6,480 KW x 136.0 rpm NCR : 5,832 KW x 131.3 rpm					
PROPELLER	Single Screw, Fixed Pitch Right-handed Propeller					
SERVICE SPEED	LADEN :14.0 kts BALLAST : 14.8 kts					
TPC AT SUMMER DRAFT	45.1 MT					
CRANE	4 x 30 t / 24 m, IHI-WM Outreach : 9.80m					
TANK TOP STRENGTH	1 ~ 5 H : 20.0 t/sq.m					
KEEL TO TOP OF H/COVE	16.70 m					
HATCH SIZE	1H 14.40m X 15.20m 2H-5H 19.20m X 21.00m					

LAMPIRAN 3

TRANSKRIP WAWANCARA

Dengan mengidentifikasi langkah-langkah pelaksanaan *draft survey* di MV. Jupiter Ace, peneliti kemudian menggunakan teknik *scoring* dengan pendekatan *urgency, seriousness, growth* (USG) untuk menentukan prioritas langkah-langkah pelaksanaan *draft survey* yang berdasarkan pada observasi lapangan dan wawancara yang dilakukan terhadap pihak-pihak yang bertanggung jawab terhadap pelaksanaan *draft survey*, dalam hal ini adalah Nakhoda dan Mualim I.

Peneliti menggunakan kalimat tanya “kapan” untuk menilai seberapa mendesak hal tersebut harus dilaksanakan (*urgency*), kalimat tanya “mengapa” untuk menilai seberapa serius hal tersebut harus dilaksanakan (*seriousness*), kalimat tanya “bagaimana” untuk menilai kemungkinan hal tersebut berkembang menjadi hambatan apabila tidak dilaksanakan (*growth*).

DAFTAR NAMA-NAMA RESPONDEN

Responden	Nama	Kebangsaan	Jabatan
I (Satu)	Park Jupyong	Korea Selatan	Nakhoda
II (Dua)	Yurri Fredgard	Indonesia	Mualim I

A. HASIL WAWANCARA

1. Wawancara dengan Nakhoda MV. Jupiter Ace

P : “Selamat pagi Capt. ijin bertanya mengenai pelaksanaan *draft survey* di MV. Jupiter Ace?”

N : “Silahkan, mau tanya yang bagaimana?”

P : “Ada berapa jenis *draft survey* dan kapan pelaksanaannya?”

N : *draft survey* dibagi menjadi dua, yang pertama adalah *initial draft survey* dilaksanakan pada saat kapal tiba di pelabuhan muat atau bongkar, pelaksanaan *initial draft survey* bertujuan untuk mengetahui nilai *constant* yang dimiliki oleh kapal. Kedua adalah *final draft survey* yang dilaksanakan setelah kegiatan muat atau bongkar selesai dilaksanakan, tujuan *final draft survey* adalah untuk mengetahui jumlah muatan yang telah dimuat atau dibongkar.

P : “Bagaimana langkah-langkah pelaksanaan *draft survey* yang diterapkan di MV. Jupiter Ace?”

N : Langkah pertama adalah menyiapkan peralatan dan dokumen yang akan digunakan untuk *draft survey*, langkah kedua adalah memeriksa dokumen dan kondisi aktual kapal, langkah ketiga adalah membaca dengan seksama *draft mark* kapal dan *density air* setempat, langkah selanjutnya adalah menentukan *constant* dari kapal saat melaksanakan *initial draft survey*, langkah terakhir adalah menentukan total *cargo* saat melaksanakan *final draft*

survey, selain itu untuk menambah referensi anda juga bisa membaca buku yang berisi prosedur *draft survey* yang terdapat di *ship office* dan anjungan kapal dan dapat juga meminta pendapat dari Mualim I tentang Prosedur *draft survey*.

P : “Iya Capt. saya akan meminta pendapat Mualim I untuk melengkapi referensi. Mengapa persiapan alat dan dokumen yang diperlukan di dalam pelaksanaan *draft survey* menempati urutan pertama, kemudian dilanjutkan dengan pemeriksaan dokumen dan kondisi aktual kapal, membaca dengan seksama *draft mark* kapal dan *density* air setempat, menentukan *constant* dari kapal, dan terakhir adalah menentukan total *cargo* saat melaksanakan *final draft survey*?”

N : “Persiapan alat dan dokumen yang diperlukan di dalam pelaksanaan *draft survey* menempati urutan pertama karena efektifnya pelaksanaan *draft survey* bergantung kepada seberapa baik kita dalam mempersiapkan peralatan dan dokumen yang diperlukan, kemudian dapat dilanjutkan sesuai dengan urutan langkah pelaksanaan di atas.”

P : “Bagaimana cara perhitungan nilai *constant* dan total *cargo* yang dimiliki kapal dengan menggunakan metode *draft survey*?”

N : Perhitungan nilai *constant* pada saat *initial draft survey* dan perhitungan total *cargo* pada saat *final draft survey* dilaksanakan dengan cara yang sama, pertama kita harus menemukan nilai *draft*

yang dikoreksi dengan letak *perpendicular*, kemudian cari nilai *quartermean draft*, maka akan digunakan untuk membaca nilai *displacement* yang terdapat di dalam *hydrostatic book*, setelah ditemukan nilai *displacement* kemudian dilakukan koreksi dengan *trim* dan koreksi berdasarkan *density* perairan setempat, langkah terakhir untuk menemukan *constant* adalah *displacement* yang dikoreksi dengan *density* dikurangi dengan *deductibles*. Perhitungan total *cargo* pada saat *final draft survey* memiliki cara yang sama, perbedaan hanya untuk menentukan total *cargo* adalah *displacement* yang dikoreksi dengan *density* dikurangi *deductibles* dan *constant*, prosedur pelaksanaan dan perhitungan *draft survey* yang dilaksanakan di atas kapal berdasarkan pada peraturan internasional sesuai dengan UN ECE *draft survey*.

P : “Terima kasih Capt. atas penjelasannya.”

N : “Sama-sama.”

2. Wawancara dengan Mualim I MV. Jupiter Ace

P : “Selamat sore Chief, izin bertanya mengenai *draft survey*?”

N : Okay det, mau tanya yang bagian mananya?

P : “Kapan *draft survey* dilaksanakan dan urutan langkah pelaksanaan yang harus dilakukan di dalam *draft survey* yang diterapkan di MV.Jupiter Ace?”

- N : *Draft survey* dilaksanakan pada saat sebelum kegiatan muat atau bongkar dimulai atau yang sering disebut dengan *initial draft survey* dan dilaksanakan setelah kegiatan muat atau bongkar selesai dilaksanakan atau yang sering disebut dengan *final draft survey*. Urutan langkah-langkah pelaksanaan *draft survey* dimulai dengan persiapan alat-alat dan dokumen yang akan digunakan di dalam *draft survey*, pengecekan terhadap dokumen dan kondisi aktual kapal, pembacaan *draft* kapal dan *density* perairan di sekitar kapal, perhitungan untuk menentukan nilai *displacement* dan nilai *deductibles* yang dimiliki oleh kapal, terakhir adalah menentukan nilai *constant* kapal pada *initial draft survey* dan menentukan jumlah muatan yang telah dimuat pada saat *final draft survey*.
- P : “Bagaimana penerapan langkah-langkah pelaksanaan *draft survey* di MV. Jupiter Ace?”
- N : Langkah pertama persiapan alat-alat dan dokumen yang akan digunakan di dalam *draft survey*, alat-alat tersebut yang harus disiapkan antara lain: *sample jar*, *hydrometer*, *sounding tape*, komputer yang akan digunakan untuk menghitung nilai *constant* dan jumlah muatan, kemudian dokumen yang harus dipersiapkan antara lain: *loading manual book*, *sounding table book*, *capacity plan*. Langkah kedua yaitu melaksanakan pengecekan terhadap dokumen dan kondisi aktual kapal, dokumen kapal meliputi

loading manual book, sounding table book, capacity plan, formulir perhitungan draft survey, pengecekan kondisi aktual kapal dilaksanakan dengan melakukan sounding terhadap tanki untuk mengetahui total ballast water, total fresh water, total fuel and diesel oil yang ada di atas kapal pada saat itu. Langkah ketiga adalah membaca draft kapal dan density perairan di sekitar kapal, pembacaan draft kapal dan density perairan di sekitar kapal dilaksanakan dengan teliti, pembacaan density perairan dilaksanakan dengan mengambil sample air dengan menggunakan sample jar kemudian dibaca dengan menggunakan skala yang ditunjukkan hydrometer untuk mengetahui nilai density perairan di sekitar kapal. Langkah keempat adalah menentukan nilai displacement dan nilai deductibles yang dimiliki oleh kapal. Langkah terakhir adalah menentukan nilai constant kapal pada initial draft survey dan menentukan jumlah muatan yang telah dimuat pada saat final draft survey, perhitungan jumlah muatan dilaksanakan setelah cargo operation selesai dilaksanakan. Sebagai tambahan referensi dan pemantapan terhadap penjelasan saya dapat dibaca di dalam buku panduan draft survey yang terdapat di ship's office dan anjungan.

P : “baik chief, saya akan pelajari lebih lanjut buku panduan draft survey, izin tanya mengenai cara perhitungan draft survey yang dilaksanakan di MV. Jupiter Ace?”

N : untuk perhitungan *draft survey* di MV. Jupiter Ace dilaksanakan menggunakan rumus di dalam program microsoft excel, pada dasarnya perhitungan yang dilaksanakan di MV. Jupiter Ace menerapkan cara perhitungan sesuai dengan panduan *draft survey*. Perhitungan dibagi menjadi dua, pada saat *initial draft survey* dilaksanakan perhitungan untuk menentukan nilai *constant*, perhitungan dilaksanakan dengan mencari nilai *quartermean* untuk mendapatkan nilai *displacement* yang didapat dari *draft* yang dikoreksi dengan letak *perpendicular*, kemudian menentukan nilai *displacement* yang dikoreksi dengan *trim*, menentukan *displacement* yang dikoreksi dengan *density*, terakhir adalah menentukan nilai *constant* yang didapat dari *displacement* yang dikoreksi dengan *density* dikurangi dengan berat *deductibles* yang dimiliki kapal. *Final draft survey* dilaksanakan untuk menentukan jumlah muatan, cara perhitungan sama dengan perhitungan untuk menentukan nilai *constant*, namun di dalam menentukan jumlah muatan dilakukan dengan cara *displacement* yang dikoreksi dengan *density* dikurangi berat *deductibles* yang dimiliki kapal dan nilai *constant* yang telah diketahui nilainya pada saat *initial draft survey*.

P : “Terima kasih Chief atas penjelasannya.”

N : “Semoga penjelasan saya dapat bermanfaat.”

LAMPIRAN 4

Notice of Readiness

TO: FERTIMPORT SA
CC: NORVIC SHIPPING .
CC: SAMMOK SHIPPING
CC; STX MARINE SERVICE-SM
FM: MASTER OF JUPITER ACE

PORT : SAN LORENZO, ARGENTINA
DATE : 11TH MAY, 2016

Gentlemen:

NOTICE OF READINESS

M/V. JUPITER ACE, under my command, arrived at Recalada W. Anchorage at 10:00LT on 11th May, 2016 and she is ready to Loading her cargo in accordance with the terms and conditions of the Charter Party.

N.O.R tendered time is 10:00LT on 11th May, 2016 (13:00UTC on 11th May, 2016).

Very truly yours,
Capt Park Ju Pyong
Master of M/V JUPITER ACE



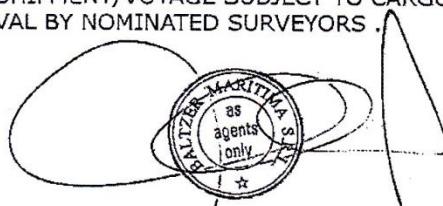
Charterer's Acceptance:

Date: _____

Time: _____

By: _____

NOTICE OF READINESS RECEIVED ON JULY 18TH, 2016 AT 2342 HOURS LOCAL TIME AND TIME STARTS TO COUNT AS PER TERMS, CONDITIONS AND EXCEPTIONS OF THE RULING CHARTER PARTY GOVERNING/COVERING THE PRESENT SHIPMENT/VOYAGE SUBJECT TO CARGO HOLDS APPROVAL BY NOMINATED SURVEYORS .



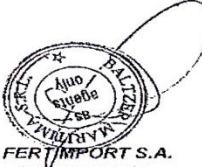
LAMPIRAN 5

Cargo Manifest

PROVISORY CARGO MANIFEST

 FERTIMPORT FERTIMPORT S.A. Beron de Astrada 1331 2200 = San Lorenzo, Argentina		MOTORVESSEL: JUPITER ACE		N.R.T. 11.367	FLAG: PANAMA	MASTER: CHU SANGKYUN
				DATE 23.07.2016	PORT OF DISCHARGE: ANGOLA	FINAL DESTINATION: ANGOLA
B/L No.	SHIPPER'S	Consignee	Marks	Packages	DESCRIPTION OF THE CARGO	MT
01	Bunge Argentina S.A.	to order	NN NM	In bulk	Corn Total loaded as per shore figures.....	28,000 ===== 28,000 =====


 SAMANIK SHIPPING CO. LTD.
 M.V. JUPITER ACE
MASTER
 SFLKA
 PANAMA
 Master M.V. JUPITER ACE


 FERTIMPORT S.A.
 As agents only.

LAMPIRAN 6

Bill of Lading



M.V. "JUPITER ACE"
Flag: Panama

San Lorenzo, July 20th, 2016

Messrs.
Fertimport S.A.
PORT OF SAN LORENZO

Dear Sirs,

I hereby authorise Messrs. Fertimport S.A. to sign on my behalf the bills of lading covering the cargo loaded on board the vessel under my actual command, in all accordance with Mate's Receipt, and relevant terms, conditions and exceptions of the governing Charter Party.

Capt Chu Sangkyun
Master M.V. Jupiter Ace



Fertimport S.A. A Bunge Company
Beron de Astrada 1331 522000GU San Lorenzo Santa Fe Argentina
Tel (54) 3476 432690/1/2 - 430077 - 425050 - 421436 - 422118 Fax (54) 3476 431878 - 426782 www.fertimport.com.br
BRASIL Santos São Paulo Recife Vitória Rio de Janeiro Sepetiba Paranaguá São Francisco do Sul Porto Alegre Rio Grande São Luis
ARGENTINA Buenos Aires San Lorenzo Bahia Blanca San Nicolás

LAMPIRAN 7

Condition Report

STX Marine Service Co., Ltd		ARRIVAL DEPARTURE
CONDITION REPORT		
Ship's Name :	JUPITER ACE	Voy. No. : 061
Port :	SAN LORENZO, ARGENTINA	
Arrived/Departed Time :	Date : 23 JUL 2016	
Pratique Granted Time :	Date :	
Berthed Time :	Date :	
Draft	Fore : 9.52 M	Aft. : 9.580 M
	Mid. : 9.605 M	
Cargo	Kind : CORN IN BULK	
	Quantity : 28 000 M/T	
	Density of Sea Water : 0.999	
Onhand F.O.	(Grade: H.S)	49.4 M/T
10724 D.O.	(Grade: H.S.H.W)	52.1 M/T
9200 Eng. Oil :	LTRS	Cyl. Oil : LTRS
3600 F.W. :	M/T	Ballast : 135 M/T
23524		
Remarks	19 JUL 2016 / 0940 : COMMENCED LOADING. 23 JUL 2016 / 2045 : COMPLETED LOADING	
CHIEF OFFICER		

LAMPIRAN 8

Delivery Order

Master of M.V. JUPITER ACE
Port of San Lorenzo

Port of San Lorenzo,
July 23rd, 2016

Messrs.

FERTIMPORT S.A.
Beron de Astrada 1331
SAN LORENZO

Dear Sirs,

I, Master of the good Panamanian flag motor vessel named 'JUPITER ACE', hereby certify to have loaded on the vessel under my command a cargo of:

28,000.00 MT of Corn in bulk as per shore figures.

bound for: Ports of Angola.

The said mentioned cargo was loaded, stowed and trimmed by Shippers, and/or Charterers stevedores/longshoremen under surveillance/ supervision of the Chief Mate of the vessel under my command, leaving upon load completion at this port in a seaworthy trim, to my entire and full satisfaction, so as to perform her sea passage from the River Plate up to ports of Angola as discharging ports, in accordance with all terms, conditions, and exceptions of the ruling contract covering the present shipment.

Yours faithfully,



Master of M.V. 'JUPITER ACE'

LAMPIRAN 9

Protest for Cargo Shortage

STX	Protest for Cargo Shortage	Form Number	BOM - 04
		Revision Number	00
		Revision Date	2010.01.01

MESSRS : BUNGE ARGENTINA.S.A

M/V :JUPITER ACE

VOY. No:061

PORT :SAN LORENZO

DATE :23RD JULY 2016

CARGO :CORN IN BULK

DEAR SIRS,

THIS IS INFORM YOU, THAT AS PER SHIP'S DRAFT CALCULATIONS, MY VESSEL HAS
LOADED A QUANTITY OF 27,945.810 M/T CARGO AT THIS PORT.

THERE IS A DIFFERENCE OF (-) 54,190 M/T, WHICH IS SHORTAGE OF CARGO
ON BOARD IN COMPARISON WITH 28,000 M/T OF FIGURES PROVIDED AS PER BILL OF
LADING.

REMARKS :

- MATE'S RECEIPT AND BILL OF LADING SIGNED WITH QUANTITY AND QUALITY UNKNOWN
AS PER SHIPPER ORDER.
- SHIP WILL NOT BE RESPONSIBILITY OF ANY ISSUE THAT COULD ARISE REGARDING THIS
MATTER.

RECEIVED AND ACKNOWLEDGED BY :

YOURS FAITHFULLY,

SHIPPER

MASTER OF M/V. JUPITER ACE NAMZ

ONLY RECEIVED WITHOUT PREJUDICE
FOR PASSING ON TO SHIPPERS /
TERMINALS / PARTIES CONCERNED

AGENT FEATHPORT S.A. AS AGENTS ONLY

LAMPIRAN 10

UN ECE Draft Survey code form

U.N. - ECE - DRAUGHT SURVEY CODE		
DRAUGHT SURVEY REPORT OF CARGO IN BULK		FORM "A"
001	<input checked="" type="checkbox"/> LOADED	
002	<input type="checkbox"/> UNLOADED	
003	Surveyor's identification:	
004		
005	Office of the surveyor:	
006		
007	Telephone no.: _____	
008	Fax no.: _____	Telex no.: _____
009		
010	Vessel M/N: _____	Call letters: _____
011	Survey date: _____	
012	Vessel previous name & Registry: _____	
013	Built year: _____ By: _____	
014	Survey requested by: _____	
015	On the account of: _____	
016	Attended also by: _____	
017		
018		
019		
020		
021		
022		
023	This is to certify that the undersigned did, in Bonafide, attend on board the subject vessel as she lay afloat at the port of: _____ for the purpose of determining by draught computations the amount of loaded, unloaded holds no. _____ and having followed the rules as set by the U.N./ECE Uniform Code of Standards and Procedures for the Performance of Draught Surveys have the following to report.	
024		
025		
026		
027		
028		
029		
030		
031		
032		
033		
034		
035		
036		
037		
038		
039		
040		
041		
042		
043		
044		
045		
046		
047		
048		
049		
050		
051		
052		
053		
054	Cargo handling equipment to be gotten aboard:	
055		
056	Missing ship's equipment:	
057		
STARTING SURVEY		
058	date: _____	FINISHING SURVEY
059	hours: from: _____ to: _____	date: _____
060	Master: _____	hours: from: _____ to: _____
061	Chief Officer: _____	
062	Chief Engineer: _____	
063	Witness draughts: _____	
064	Witness tank sounding: _____	
065	Ship's location: _____	
066	Weather temperature: _____	
067	Sea condition: _____	
068	Heading of ship: _____	
069	Direction wind: _____	
070	Stream speed Kn/h: _____	
071	Tide: _____	
072	Ice: _____	
073	Filemaker Pro 3.0 • Edition July 1997	
074	1-7	

U.N. • ECE • DRAUGHT SURVEY CODE

DRAUGHT SURVEY REPORT OF CARGO IN BULK			<input checked="" type="checkbox"/> LOADED <input type="checkbox"/> UNLOADED	FORM "B"																								
Cargo identification:																												
Vessel M/N:		Surveyors:																										
General remarks by the surveyors																												
Correction for stem and stern obtained by:		<input type="checkbox"/>		tables																								
Correction for trim (1) obtained by:		<input type="checkbox"/>		tables																								
Correction for trim (2) obtained by:		<input type="checkbox"/>		tables																								
Correction due to trim for liquid applied at:		<input type="checkbox"/>		soundings																								
Correction due to trim for liquid obtained by:		<input type="checkbox"/>		volumes																								
				tables																								
Ship's approved hydrostatic tables and lightship information issued by and dated:																												
<p>BADAN PENGEMBANGAN SDM PERHUBUNGAN BINNARAKA KERAKYATAN SAMODERA TEKNIK ILMU</p>																												
Degree of tank calibration complies with code: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																												
Range of BM calibration tables (in ft):																												
Gauge no. 1:		Hull no.:		Dated at:																								
Tonnage details on cargo documents:																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Length overall</td> <td style="width: 25%;">Constant declared</td> <td style="width: 25%;">Metric tonnes</td> </tr> <tr> <td>Length between p.p.</td> <td>Constant calculated</td> <td></td> </tr> <tr> <td>Extreme breadth</td> <td>Light displacement</td> <td></td> </tr> <tr> <td>Moulded breadth</td> <td>Summer displacement</td> <td></td> </tr> <tr> <td>Depth overall incl. keel plate</td> <td>Summer deadweight</td> <td></td> </tr> <tr> <td>Moulded depth</td> <td>Net register tons</td> <td></td> </tr> <tr> <td>Summer draught</td> <td>Gross register Tons</td> <td></td> </tr> <tr> <td>Summer freeboard</td> <td></td> <td></td> </tr> </table>					Length overall	Constant declared	Metric tonnes	Length between p.p.	Constant calculated		Extreme breadth	Light displacement		Moulded breadth	Summer displacement		Depth overall incl. keel plate	Summer deadweight		Moulded depth	Net register tons		Summer draught	Gross register Tons		Summer freeboard		
Length overall	Constant declared	Metric tonnes																										
Length between p.p.	Constant calculated																											
Extreme breadth	Light displacement																											
Moulded breadth	Summer displacement																											
Depth overall incl. keel plate	Summer deadweight																											
Moulded depth	Net register tons																											
Summer draught	Gross register Tons																											
Summer freeboard																												
STARTING SURVEY			FINISHING SURVEY																									
Tonnes per Centimetre Immersion																												
Longitudinal Centre of Flotation																												
Distance marks forward pp. (forward - aft+)																												
Distance marks after pp. (forward - aft+)																												
Distance marks midship pp. (forward - aft+)																												
Moment to Trim One Centimetre +50																												
Moment to Trim One Centimetre -50																												
Vessel list																												
Accessibility of sounding pipes																												
Working order of gauges																												
Legibility of draught marks																												
This form should be filled with pertinent shipyard-registry data by the Master in advance of survey start to reduce time/inconvenience.																												

U.N. - ECE - DRAUGHT SURVEY CODE

DRAUGHT SURVEY REPORT OF CARGO IN BULK			LOADED	UNLOADED	FORM "C"
Copies to: _____					
Vessel M/N: _____		Surveyor: _____			
DRAUGHT STATEMENT					
DRAUGHT READINGS HOURS:		STARTING SURVEY FROM: _____ TO: _____ meters	FINISHING SURVEY FROM: _____ TO: _____ meters		
Draught forward port					
Draught forward starboard					
Draught forward mean					
Stem correction					
Draught forward (corrected to fore pp.)					
Draught after port					
Draught after starboard					
Draught after mean					
Stem correction					
Draught after (corrected to after pp.)					
Draught fore & after mean					
Draught midship port					
Draught midship starboard					
Draught midship mean					
Midship correction					
Draught midship (corrected to midship pp.)					
Sag (+) Hog (-)					
Mean of means					
Draught extreme corrected for hog/sag					
Correction (-) for keel thickness if applicable					
Draught loadline corrected for hog/sag					
(Note: Utilize line 152 or line 154)					
Trim: fore (-) aft (+)					
Observed density	Kg/m ³				
(Ship's tables density Kg/m ³)					
(Hydrometer no. _____)					
Displacement (at _____)	Metric tonnes				
Kg/m ³ density)					
First trim correction					
Second trim correction					
Total trim correction					
Displacement corrected for trim					
Correction for density average					
Displacement corrected for density					
Total deductibles					
Displacement corrected for deductibles					
Draughts, densities, fresh water and ballast soundings witnessed and agreed to by the Chief Officer. Fuel oil soundings witnessed and agreed to by the Chief Engineer unless otherwise stated in form "A"					

U.N. - ECE - DRAUGHT SURVEY CODE

DRAUGHT SURVEY REPORT OF CARGO IN BULK						<input type="checkbox"/> LOADED <input checked="" type="checkbox"/> UNLOADED	FORM "D1"
Corporate Identification:							
Vessel M/N:				Surveyors:			
STARTING SOUNDRING:		From Hour:	To Hour:	Date:	Time:		
Compartment Type:	Maximum height measured (m) meters	Sounding /filage meters	Sounding /filage corrected for trim (m) meters	Volume corrected for trim (m³) m³	Density of water in air Kg/m³	Total weight Metric tonnes	
A - BALLAST							
Total A							
B - FRESH WATER							
Total B							
() Obstruction to sounding tube A:							

U.N. • ECE • DRAUGHT SURVEY CODE

DRAUGHT SURVEY REPORT OF CARGO IN BULK						<input checked="" type="checkbox"/> LOADED <input type="checkbox"/> UNLOADED	FORM "D2"
Corporate Identification:							
Vessel M/N: Survey no:							
FINISHING SOUNDING:		From Hours:	To Hours:	Date:	Time:		
Compartment Title: • Tank no. • Bilges • Ducted air	Maximum height measured (*) meters	Sounding /tillage meters	Sounding /tillage corrected for trim /ts' meters	Volume corrected for trim /ts' m ³	Density of water in dr Kg/m ³	Tons weight Metric tonnes	
A - BALLAST							
Total A							
B - FRESH WATER							
Total B							
*) measurement corrections in sounding tubes:							

U.N. - ECE - DRAUGHT SURVEY CODE

U.N. - ECE - DRAUGHT SURVEY CODE

364	DRAUGHT SURVEY REPORT OF CARGO IN BULK	LOADED <input type="checkbox"/> UNLOADED <input checked="" type="checkbox"/>	FORM "E"
365	Corporate Identification:		
366	Vessel MN:	Surveyor:	
367	CARGO STATEMENT		
368	Metric Tonnes		
369	Starting Displacement Corrected		
370	Finishing Displacement Corrected		
371	Difference in Displacement = TOTAL CARGO IN BULK IS: _____		
372			
373			
374			
375			
376			
377			
378			
379			
380	OBSERVATIONS: Shore scale quantity (if available) M.T. _____ Note on any unusual situation/s, exception/s from required Uniform Code standard, specific identification (source, drawing no., date, title, certifying authority) of each ship's document used in translating recorded measurements into weights and, when applicable, reasons for surveyor's refusal or impossibility to perform the survey: _____		
381			
382			
383			
384			
385			
386			
387			
388			
389			
390			
391			
392			
393			
394			
395			
396	Metric Tonnes		
397	Corrected light displacement = _____		
398	Deductables = _____		
399	Lightship = _____		
400	Constant = _____		
401	Mean of previous constants = _____		
402			
403	I certify that the constant calculated from this draught survey has been entered into the ship's "Constant Certificate"		
404			
405			
406	In my judgement the weather conditions, the sea conditions, and the conditions of the ship at the times the draught surveys were conducted, were within acceptable limits and did not adversely affect the accuracy of this survey. This Bona Fide report consisting of _____ pages, including this page, all duly initialled or signed is issued without prejudice and is for the benefit of whom it may concern.		
407			
408			
409			
410			
411			
412	Name of surveying firm	(corporate identification)	
413			
414	By: _____ (Signature of Surveyor)		
415	Name/s in print _____		
416	I have participated in all stages of this draught survey, and agree with the results obtained. I acknowledge receipt of the ship's copy.		
417			
418			
419	Signed:	Print:	Name in print:
420			
421			
422			

LAMPIRAN 11

MV. Jupiter Ace draft survey calculation form

M/V JUPITER ACE
PANAMA

DRAFT SURVEY REPORT

PORT OF:

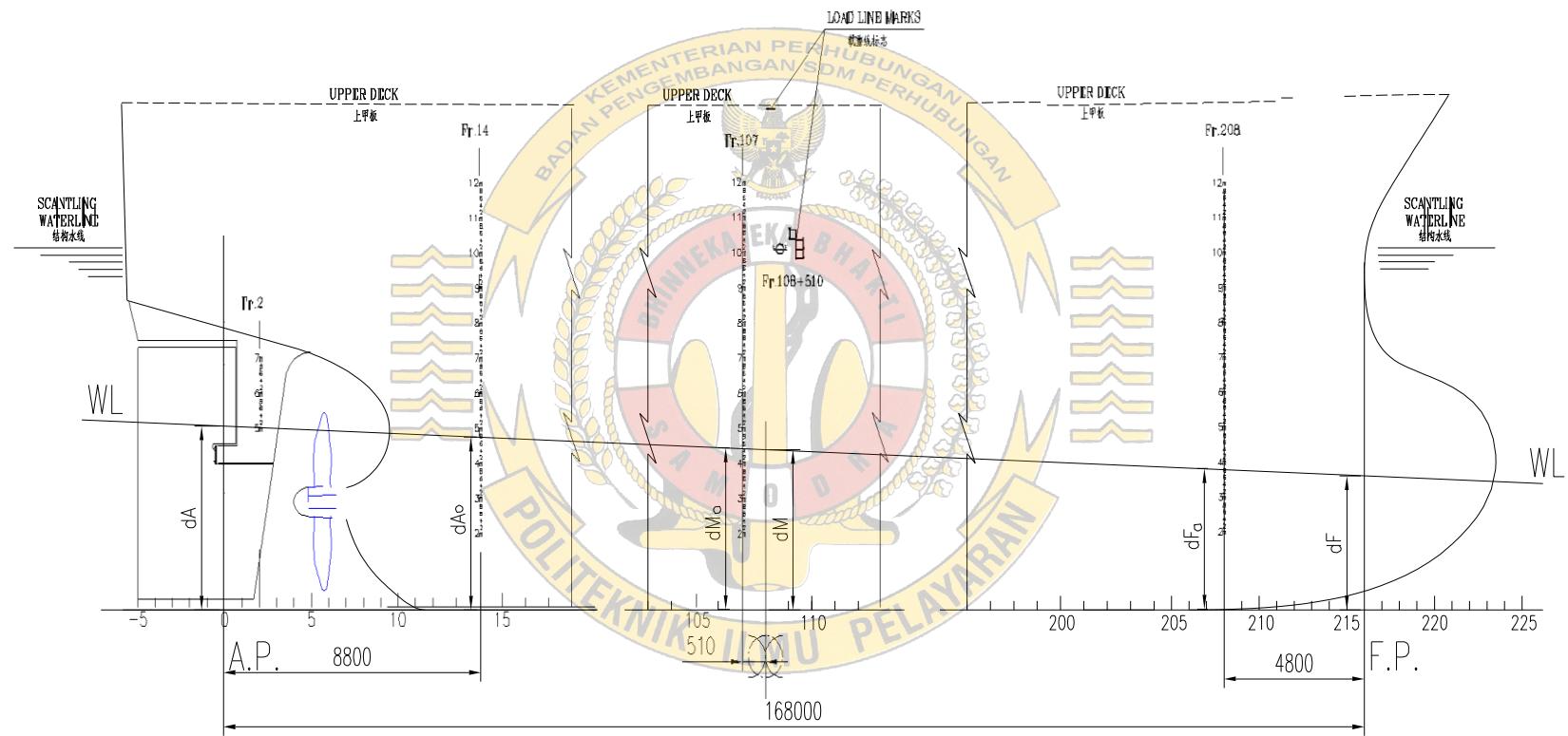
DATE OF:

A/A	DESCRIPTION	INITIAL	FINAL
1	DRAFTS		
2	Frwd Strd		
3	Frwd Port		
4	Frwd Mean	0.000	0.000
5	Aftd Strd		
6	Aftd Port		
7	Aftd Mean	0.000	0.000
8	Mid. Strd		
9	Mid. Port		
10	Mid. Mean	0.000	0.000
	DRAFTS AT PERPERTICULARS		
11	Aftd Perperticular	0.0000	0.0000
12	Frwd Perperticular	0.0000	0.0000
13	Middships	0.0000	0.0000
	Q.Mean Draft	-0.0160	-0.0160
14	Displacement at Mean Draft	#N/A	#N/A
15	TPC at Mean Draft	#N/A	#N/A
16	LCF at Mean Draft	#N/A	#N/A
17	MTC at Mean Draft	#N/A	#N/A
	TRIM CORRECTIONS		
18	Trim Corr1	#N/A	#N/A
19	Trim corr2	#N/A	#N/A
20	TRIM CORRECTION	#N/A	#N/A
21	DISPLACEMENT Corected to Trim	#N/A	#N/A
	DENSITY CORRECTION		
22	Density		
23	Correction Factor	-1.00000	-1.00000
24	Density Correction	#N/A	#N/A
25	DISPLACEMENT Corrected to Density	#N/A	#N/A
	FUEL OIL		
27	DIESEL OIL		
28	FRESH WATER		
29	BALLAST WATER		
30	DEDUCTIONS + CARGO	#N/A	#N/A
31	LIGHT SHIP	8,584.90	8,584.90
32	CONSTANTS+CARGO	#N/A	#N/A
31	CARGO (Loaded/Discharged)	0.00	#N/A
	LUB OIL	0.00	0.00

CH.OFFICER

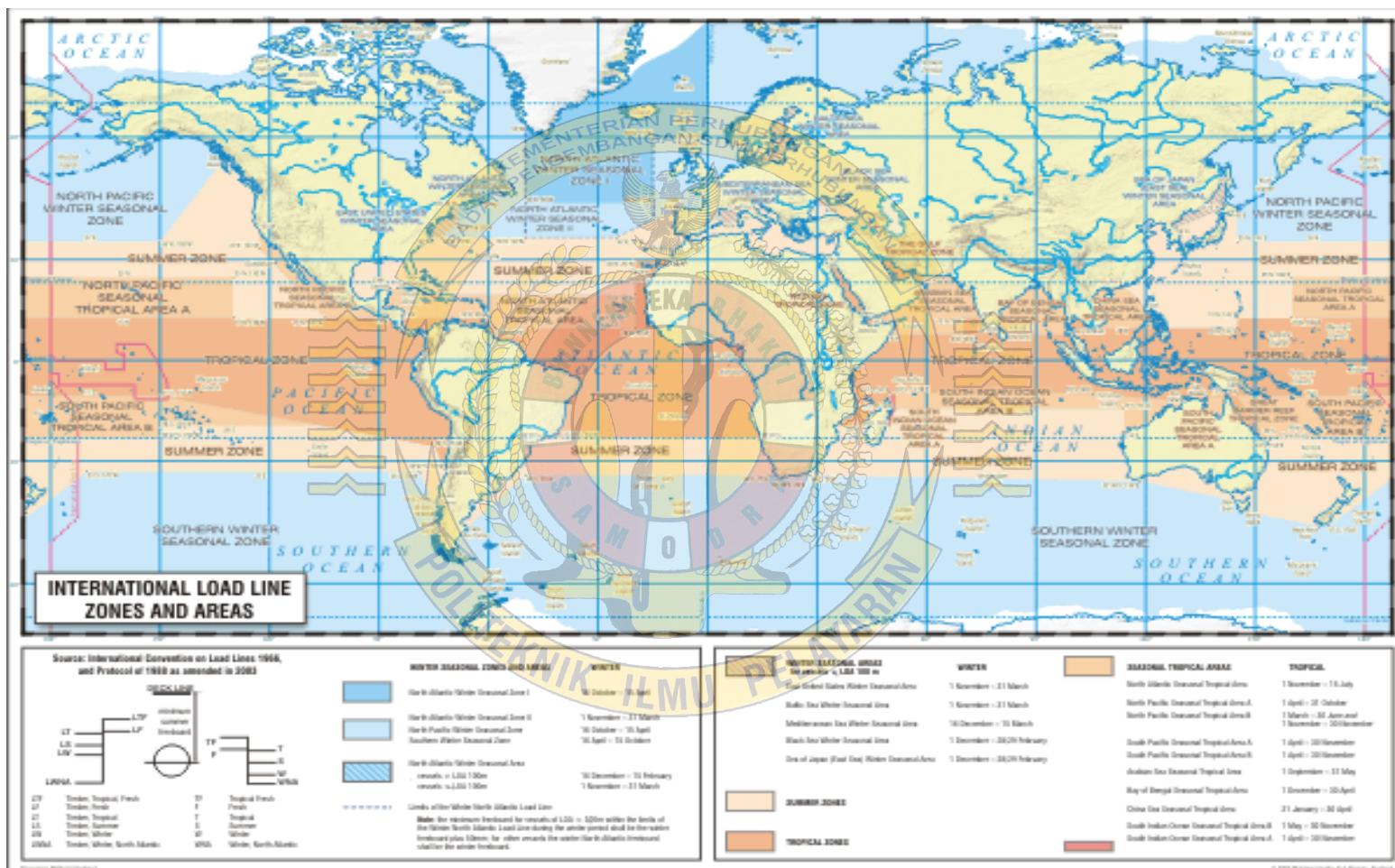
LAMPIRAN 12

Draft Arrangement



LAMPIRAN 13

International Load Line Chart



KARTU KONSULTASI PENYUSUNAN SKRIPSI
PEMBIMBING I / II

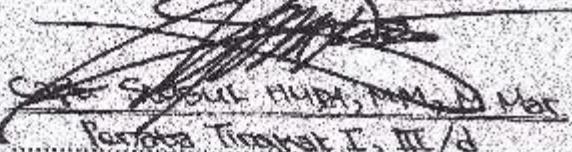
NAMA YAZID MUDHOJI
NIT 503408 N
PEMBIMBING I Dr. Capt. Suryadi, M.Pd., M.Mer
JUDUL SKRIPSI ANALISIS DRAFT SURVEY REPORT DI MV. JEWEL ACE

TANGGAL	URAIAN KEGIATAN	TANDA TANGAN
10/11/2016	Mendekati Judul	
11/11/2016	Acc Judul	
02/12/2016	Penggantian Bab I dan revisi	
13/12/2016	Acc Bab I, lanjut Bab II	
19/01/2017	Penggantian Bab II, revisi metode analisis	
23/01/2017	Acc Bab II, lanjut Bab III	
30/01/2017	Penggantian Bab III, rancangan Analisis Data	
10/02/2017	Acc Bab III, lanjut Bab IV	
03/03/2017	Penggantian Bab IV, revisi analisis masalah	
14/03/2017	Revisi Bab V, Tambah Skoring Bab metode UST	
29/03/2017	Revisi Bab V, Penambahan masalah	
04/04/2017	Revisi Bab V, tambah Penambahan Penambahan masalah	
26/04/2017	Acc Bab V, lanjut Bab VI	
11/05/2017	Penggantian Bab VI, revisi kesimpulan	
20/05/2017	Revisi Bab VI, Penambahan Skoran sebab kontak kesiapan	
31/05/2017	Acc BAB VI dan Cetak untuk Sabung dan dilanjutkan dengan lampiran	

Semarang, 06 - 06 - 2017

Mengakhiri,

Ketua Program Studi Nautika


Dr. Capt. Suryadi, M.Pd., M.Mer
Pembina Tingkat I, III/d

NIP 19721228 199803 1 001

Pembimbing I / II


Dr. Capt. Suryadi, M.Pd., M.Mer
Pembina Utama Muara IV/c
NIP 19550419 198303 1 001

KARTU KONSULTASI PENYUSUNAN SKRIPSI PEMBIMBING I/II

NAMA
NIT
PEMBIMBING I/II
JUDUL SKRIPSI

YARD MULYAHKI
S020408 N
VEGA FONCILLA ANDREWES, S.T., S.Pd, M.Hum
ANALYSIS DRAFT SURVEY REPORT DI MV JUPITER ACE

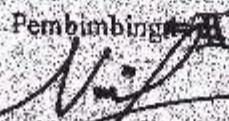
TANGGAL	URAIAN KEGIATAN	TANDA TANGAN
11-11-2016	Persetujuan judul	
30-3-2017	Konsultasi Bab I - III	V
6-4-2017	Rencana Bab I - III	V
3-5-2017	Konsultasi Bab II & IV	V
14-6-2017	Ace / Has persetujuan	V

Semarang, 14-06-2017

Mengakui,
Ketua Program Studi Nautika


Sekolah Tinggi Ilmu, M.Pd, M.Mat
Rektorat Tingkat I, III/C
NIP 19721228 109803 1 001

Pembimbing I/II


VEGA FONCILLA ANDREWES, S.T., S.Pd, M.Hum
Pembimbing I/II/C
NIP 19770326 202212 1 002

LEMBAR PENGAJUAN JUDUL SKRIPSI

Nama Taruna : YAZID MIDKHLI

NIT : 50134798. N

Semester/ Program studi : VII/ NAUTIKA

Judul skripsi yang diajukan yaitu :

"ANALISIS DRAFT SURVEY REPORT DI MV. JUPITER ACE"

Rumusan Permasalahan :

1. Langkah-langkah apa sajakah yang dilakukan untuk pelaksanaan *draft survey* di MV. Jupiter Ace?
2. Bagaimana cara perhitungan *draft survey* di MV. Jupiter Ace?
3. Mengapa ada perbedaan hasil perhitungan *draft survey* antara cara manual dan dengan rumus?

Pembimbing I (Materi): Dr. Capt. SUWIYADI, M. Pd., M. Mar

Pembina utama muda (IV/c)

NIP. 19550419 198303 1 001

Pembimbing II : VEGA FONSULA ANDROMEDA, S.ST., S.Pd, M.Hum
(Metodologi Penulisan)

Penata (III/c)

NIP. 19770326 200212 1 002

Mengetahui / Menyetujui.

Pembimbing I

Semarang, November 2016

Yang mengajukan judul skripsi

Pembimbing II

Mengetahui/ Menyetujui
Ketua Program Studi Nautika

YAZID MIDKHLI

NIT. 50134798. N

Capt. SAMSUL HUDA, MM, M. Mar
Penata Tingkat I (III/d)
NIP. 19721228 199803 1 001