

BAB V

PENUTUP

A. Kesimpulan

Berdasarkan pemaparan data-data di atas dalam bab-bab sebelumnya mengenai permasalahan yang dihadapi kemudian dianalisis sehingga menghasilkan kesimpulan yang berupa :

1. Faktor-faktor penyebab terjadinya penyusutan di kapal MT. Sele adalah kurangnya pemahaman ABK dalam melakukan prosedur pengukuran dan perhitungan muatan serta kurangnya pemahaman alat ukur yang memadai. Seharusnya prosedur perhitungan dan pengukuran muatan harus sesuai dengan peraturan yang ada dengan mempersiapkan alat ukur, memperhatikan sistematis pengukuran muatan dan pengaturan *temperature* minyak dalam tanki.
2. Upaya untuk mencegah terjadinya penyusutan muatan di kapal MT. Sele adalah pihak perusahaan mengupayakan peralatan alat ukur yang memadai demi menunjang terlaksananya standarisasi pengukuran minyak. Pihak perusahaan juga harus lebih selektif dalam melakukan perekrutan awak kapal MT. Sele dengan sebaik mungkin hingga menghasilkan ABK yang berkompeten, sehingga dapat mudah memahami prosedur pelaksanaan

pengukuran dan perhitungan minyak dengan baik dan benar. Sehingga penyusutan muatan tidak terjadi pada waktu bongkar atau muat.

B. Saran

Berdasarkan kesimpulan terhadap permasalahan yang dibahas di dalam penelitian ini dengan menggunakan teori-teori yang berhubungan sebagai landasan teori, maka saran yang dapat diberikan adalah sebagai berikut :

1. Terhadap Perusahaan

- a. Memberikan *training* atau sebuah pelatihan khusus mengenai bongkar muat yang meliputi pengukuran pemuatan.
- b. Mengupayakan peralatan ukur yang memadai demi menunjang terlaksananya standarisasi prosedur pengukuran minyak.

2. Terhadap *crew* Kapal :

- a. Perwira kapal diharuskan memberikan *safety meeting* sebelum melaksanakan kegiatan bongkar atau muat.
- b. Melakukan prosedur kerja dalam melaksanakan kegiatan pengukuran dan perhitungan muatan.

DAFTAR PUSTAKA

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Tentang Kenavigasian. Bandung : Citra Umbara

PT. PERTAMINA (PERSERO)
DIREKTORAT PEMASARAN DAN NIAGA PERKAPALAN
MT. SELE / PERTAMINA 3006



SHIP PARTICULAR

1. SHIPS NO. / HULL TYPE	: 307 / PRODUCT CARRIER	
2. CALL SIGN	: Y. D. X. R.	
3. B U I L D E R	: SASEBO SHIPYARD JAPAN	
4. KEEL LAID	: 15 FEBRUARY 1982	
5. LAUNCHED	: 12 MAY 1982	
6. D E L I V E R Y	: 28 SEPTEMBER 1982	
7. FLAG STATE	: INDONESIA	
8. PORT OF REGISTRY	: JAKARTA	
9. CLASSIFICATION SOCIETY	: BKI	
10. OWNER	: PT. PERTAMINA (PERSERO)	
11. OPERATOR	: PT. PERTAMINA (PERSERO)	
12. I M O N U M B E R	: 8117158	
13. M M S I N U M B E R	: 525008023	
14. OFFICIAL N U M B E R	: No. 642 / Ba	
15. LENGTH OVER ALL (LOA)	: 180,00 Mtrs	= 590,55 FEETS
16. LENGTH BETWEEN PERPEDICULAR (LBP)	: 172,40 Mtrs	= 562,02 FEETS
17. BREADHT MOULDED	: 30,00 Mtrs	= 98,43 FEETS
18. DEPTH MOULDED	: 15,00 Mtrs	= 49,21 FEETS
19. GROSS TONNAGE	: 21.338,80 RT	
20. NET TONNAGE	: 7.234,00 RT	
21. SUMMER DWT	: 29.990,00 MT.	= 29,516 FEETS
22. TROPICAL DWT	: 30.729,00 MT.	= 30,243 FEETS
23. SUMMER DISPLACEMENT	: 37.882,00 MT	
24. TROPICAL DISPLACEMENT	: 38.621,00 MT	
25. SUMMER DRAFT	: 8,856 Mtrs	
26. TROPICAL DRAFT	: 9,060 Mtrs	
27. DRAFT EXTREM AT SUMMER (FULL LOADED):	9,100 Mtrs	
28. LIGHT WEIGHT (LWT)	: 7.892,00 MT	
29. NO. OF CARGO OIL TANK	: 10	
30. TOTAL OF CAPACITY (98%)	: 41.722,71 M3	
31. BUNKER CAPACITY	: MFO = 732,0 M3 ; MDO = 236.2 M3	
32. FRESH WATER CAPACITY	: 654,60 M3	
33. ENGINE POWER	: 11.100,00 HP	
34. SERVICE SPEED	: 14,92 Knots	
35. HIGH FROM KEEL	: 44,00 Mtrs	= 144,36 FEETS

MASTER

MT. SELE / PERTAMINA 3006

CREW LIST

Name of Vess : MT. SELE

Port of Register

: JAKARTA

Last Port

:

Call Sign : Y D X R

Owner

: PT. PERTAMINA

Date

: 16 Juni 2015

Gross Tonnag : 21.338,8 GT

IMO Number

: 8117158

Port of

: BALIKPAPAN

Voyage : 22L/P.3006/XII/2014

Next Port

: SEMARANG

NO.	NAME	RANK	NP	SEAMAN BOOK		C.O.C		SIGN ON
				NUMBER	EXPIRED	CERT.	NUMBER	
1	Hendrik Kapal	Master	10014064	D 040220	19.01.2018	ANT-I 2001	6200076210N10201	25.03.2015
2	Helmi Hermawan	Ch. Officer	748778	Y 027469	01.03.2016	ANT-II 2009	6201020662N20109	23.12.2014
3	Musa Markus Tiondo	2nd Officer	10013799	Y 020273	10.02.2016	ANT-II 2011	6200420703N20411	25.02.2015
4	Rinawati Limbong	3rd Officer	10013636	D 036897	14.01.2016	ANT-II 2013	6200257279N20113	23.01.2015
5	Moch Amir Sjarifuddin	Ch. Engineer	10013962	Y 094641	15.12.2015	ATT-I 2007	6200086224T10202	16.03.2015
6	Kepler Pakpahan	2nd Engineer	10013506	C 020254	06.11.2016	ATT-I 2013	6200023639T10213	31.03.2015
7	Haryanta	3rd Engineer	747937	X 034439	18.08.2017	ATT-III 2006	6201022627T30306	23.12.2014
8	Achmad Isbandi	4th Engineer	10013248	X 038821	14.05.2015	ATT-III 2012	6200391637T30112	11.11.2014
9	Rachmat Santoso	Electrician	10013802	B 003824	01.10.2015	ATT-D 2013	6201392655T60713	25.02.2015
10	Hanhan Jumhana	Boatswain	10013958	B 075587	03.06.2016	ANT-D 2001	6200076275N60201	16.03.2015
11	Dede Subari	Pumpman	10013535	W 008268	12.12.2015	ANT-D 2001	6200070125N60201	23.12.2014
12	Dedy	Pumpman	10013870	B 002466	08.10.2017	ANT-D 2006	620016103N60206	05.03.2015
13	Achmad Mustari	Q. Master A	10011285	B 082772	03.07.2016	ANT-D 2009	6200496514N60709	23.12.2014
14	Mathius Tabang	Q. Master B	10013414	B 046755	27.02.2016	ANT-D 2007	6200479266N60207	23.12.2014
15	Laurenzo William N	Q. Master C	10014088	B 052885	20.03.2016	ANT-V 2015	6200470016N50212	07.04.2015
16	Beny Setiawan	Sailor A	10013081	D 000657	04.09.2017	BST 2010	6200130523010710	17.10.2014
17	Saryudin	Sailor B	10013796	V 065994	02.06.2005	ANT-D 2007	6200254563N60307	17.02.2015
18	Houldest silalahi	Sailor C	10012731	W 030186	06.04.2016	BST 2012	6200160068010712	14.08.2014
19	Bambang Asmoro	Foreman	10014067	Y 060668	11.07.2016	ATT-D 2001	6200068240T60201	28.03.2015
20	Gidion Tarigan	Fitter	10014068	A 058802	19.07.2017	ATT-D 2001	6200068006T60101	28.03.2015
21	Mulyadi	Oiler A	10013295	B 034066	11.01.2016	ATT-D 2003	6201001312T60703	24.11.2014
22	Probo Sutoko	Oiler B	10013904	D 046505	16.02.2018	ATT-D 2003	6200543041T60303	25.02.2015
23	Piter Walla	Oiler C	10013697	X 054184	25.06.2017	ATT-V 2008	6200504209T50208	30.01.2015
24	Hendri Nofriadi	Oiler D	10013879	X 048078	07.06.2015	ATT-D 2010	6201289611T60710	05.03.2015
25	Indra Ridwan S.	Cook	10013629	C 043021	11.02.2017	BST 2012	6201492168010711	14.01.2015
26	Agus Mulyadi	Cook	10013620	C 034166	09.01.2017	BST 2010	6200504209T50208	23.01.2015
27	Wawan Ernawan	Washman	10013162	X 054177	25.06.2015	BST 2011	6200522982010711	25.10.2014
28	Ruben Toding	Messboy	10013673	X 025695	05.03.2017	ANT-D 2010	6201115399N60710	30.01.2015
29	Budi Santosa	Messboy	10012727	W 057687	31.07.2016	BST 2010	6200150710010710	14.08.2014
30	Muhammad Zuhdi	Deck Cadet	20150028	D 004006	11.09.2017	BST 2012	6201476126010112	23.04.2015
31	Andi Setiawan	Deck Cadet	20140213	X 054177	25.06.2016	BST 2013	6202115721010313	23.12.2014
32	Rais Yusuf	Deck Cadet	20140053	B 067699	07.05.2016	BST 2012	6201357103012512	15.05.2014
33	Pela Hayati Harahap	Engine Cadet	20140089	C 008657	13.09.2016	BST 2012	6201476135010110	03.07.2014
34	Ahmad Irvan Efendi	Engine Cadet	20140198	X 054177	25.06.2017	BST 2013	6202099005010113	23.12.2014
35	Bogie Galang Perkasa	Engine Cadet	20140065	C 040755	12.02.2017	BST 2013	6202079321070510	29.05.2014

Master

Capt. Hendrik Kapal

Np. 10014064

PT. PERTAMINA (PERSERO)
NEW BILL OF LADING



NO.B/L. 773 / R / N3 / SMB / 030

EX. BL. 495R216A047

SHIPPED in apparent good order and conditions by **PT. PERTAMINA (PERSERO) REFFENERY UNIT V BALIKPAPAN**
 On board the **INDONESIA** S.S / M.S **MT. SELE** where of
Capt. HENDRIK KAPAL at Master, the port of **JETTY 5B PT. PERTAMINA RU V BALIKPAPAN**
 A quantity in bulk as bellow and to be delivered (subject to the liberties, condition, exeptions and limitation
 hereinafter contained) in the like order and condition at the port of **SEMARANG** or so near there unto as
 she may safety get and there discharged unto

CONSIGNEE : **PT. PERTAMINA (PERSERO) REGION V TT BBM SEMARANG**

Or order on payment of freight in accordance with the charterparty hereinafter mentioned or failing such
 mentioned freight all be deemed to be earned on commencement of lading. Any freight prepaid to be non -
 returbable, vessel loss or not loss.

***QUANTITY AND GRADE AS FURNISHED BY SHIPPER**

Grade = **HSD**

Long Tons	=	27.334,294
Metric Tons	=	27.773,009
U. S Barrels at 60 °F	=	208.581,940
Liters at 15 °C	=	33.145,072
Liters Observed	=	34.153,071
Liters at 60 °F	=	***
U. S Gallon 60 °F	=	***
Imp Gallon	=	***

Density 15 °C = 0,8381
 Temperature = 42 °C

*Where is it is impracticable to ascertain the intake quantity before this.

Bill of Lading is signed, the quantity should be stated as approximate.

Weight quantity, quality, grade and condition unknown. Vessel not accountable for Leakage.

This shipment as carried under and pursuant to term of charter dated
 at
 between
 and

and all the terms what so ever of the said Charter except the rate and payment of freight specied there in apply to
 and govern the right if the parties concement in this shipment.

Freight shall be deemed to be earned on commencement of lading.

Claused 1 to 8 inclusive on the reverse of the Bill of Lading are incorporated here in and from part of
 Bill of Lading.

IN WITNESS where of the Master of the Vessel hath affirmed to **1(ONE)** Bill of Lading all
 of this ten or date one of which being accomplished the order(s) to stay void.

Date of **BALIKPAPAN** the **16** day of **June, 2016**

MASTER

Kantor Reffenery Unit V Balikpapan
 Jl. Kom. L Yos Sudarso
 Balikpapan, Kalimantan Timur 733131
 T (0542) 731988, 7362001 (Hunting)
 www.pertamina.com

Capt. HENDRIK KAPAL

Name of Vessel : MT. SELE / P. 3006
Voyage : 03 / L / P. 3006 / VI / 2015
Port / Date : Balikpapan / June 16th, 2015

Draft in Meter :	F	A	M	TRIM
After Loading :	8.90	9.00	8.95	0.10
Sea & Weather Condition : Slight & Claudy				

Cargo Tank No.	Grade	Corr Ullage	Tanks Observation				Sample Obs'n		SG/API @60° F Table 23/5)	Density @15°C (Table 21/53)	Vol Cor Factor (Table 54)	Nett KL @15° C	Vol Conv Factor Table 52	Barrels @60° F	Weight Conv Factor Table 57	Long Tons	Metric Tons	
			Gross Vol KL	Free Water		Nett Vol KL	Tank Temp (° C)	Dip										Vol KL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
PORT	1	SOLAR	394.4	2396.960	0.0	0.000	2,396.960	41.8	0.820	42.0	0.8381	0.978224	2,344.764	6.293	14,755.600	0.8238	1,931.617	1,962.619
	2	SOLAR	395.5	1446.100	0.0	0.000	1,446.100	43.0	0.820	42.0	0.8381	0.976986	1,412.819	6.293	8,890.870	0.8238	1,163.880	1,182.560
	3	WBT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	SOLAR	232.5	2421.100	0.0	0.000	2,421.100	43.7	0.820	42.0	0.8381	0.976586	2,364.412	6.293	14,879.245	0.8238	1,947.803	1,979.065
	slop																	
CTR	1	SOLAR	549.7	3975.210	0.0	0.000	3,975.210	46.3	0.820	42.0	0.8381	0.974486	3,873.786	6.293	24,377.735	0.8238	3,191.225	3,242.444
	2	SOLAR	388.8	5157.780	0.0	0.000	5,157.780	48.0	0.820	42.0	0.8381	0.972886	5,017.932	6.293	31,577.846	0.8238	4,133.772	4,200.119
	3	SOLAR	187.3	6000.875	0.0	0.000	6,000.875	47.3	0.820	42.0	0.8381	0.973686	5,842.968	6.293	36,769.798	0.8238	4,813.437	4,890.693
	4	SOLAR	192.3	6072.825	0.0	0.000	6,072.825	46.1	0.820	42.0	0.8381	0.974486	5,917.883	6.293	37,241.238	0.8238	4,875.152	4,953.398
STB	1	SOLAR	395.7	2394.230	0.0	0.000	2,394.230	42.0	0.820	42.0	0.8381	0.977824	2,341.136	6.293	14,732.769	0.8238	1,928.628	1,959.582
	2	SOLAR	394.8	1446.940	0.0	0.000	1,446.940	43.4	0.820	42.0	0.8381	0.976986	1,413.640	6.293	8,896.037	0.8238	1,164.557	1,183.248
	3	WBT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	SOLAR	170.2	2538.830	0.0	0.000	2,538.830	41.1	0.820	42.0	0.8381	0.978624	2,484.560	6.293	15,635.336	0.8238	2,046.781	2,079.632
	slop																	
Total																		
Per																		
Grade	SOLAR		33,850.850			33,850.850							33,013.900		207,756.474		27,196.852	27,633.360
SOLAR	BL		SFAL		DIFF	R1 (%)												
Ltrobv	34,153.071		33,850.850		-302.221	-0.88												
KI15C	33,145.072		33,013.900		-131.172	-0.40												
Bbls	208,581.940		207,756.474		-825.466	-0.40												
LT	27,334.294		27,196.852		-137.442	-0.50												
MT	27,773.009		27,633.360		-139.649	-0.50												
MAKSIMUM TRANSPORT LOSSES (R2) = 0.016 %																		



PT PERTAMINA (PERSERO)

SHIPPING – MARKETING & TRADING DIRECTORATE

SHIPPING OPERATION DIVISION, HEAD OFFICE 19TH Floor, Jln. Merdeka Timur 1A Jakarta 10110

Phone : (62-21) 3816367, 3816314, 3816339, 3816353, 3816217. Fax : 3455430, 3816348, 3507121

E-mail: opstanker@pertaminashipping.com

DRY CERTIFICATE
(Before Loading)

PORT : BALIKPAPAN

DATE : June 14TH, 2015

To Loading Master RU V Balikpapan

I, the Master, have inspected all ship's tanks

at 13.12 – 13.30 LT hours local time, on June 14TH, 2015

and found Dry , Clear & Empty for COT No.1P,S,C, 2P,S,C,3C & 4P,S,C

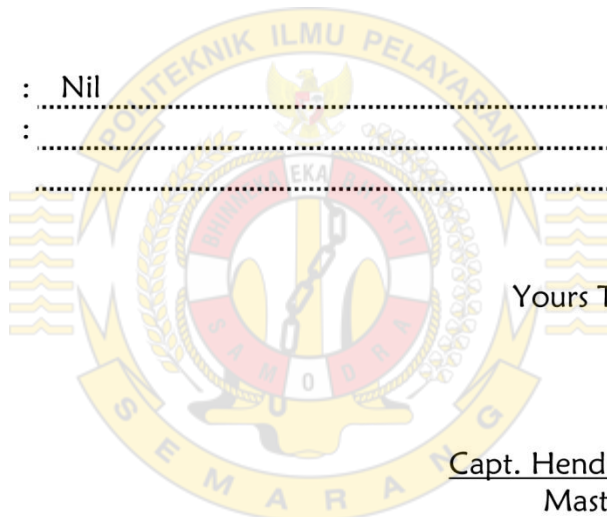
Remark:

Quantity of ROB : Nil

.....

.....

.....



Yours Truly

Capt. Hendrik Kapal
Master

To Loading Master PT. PERTAMINA (PERSERO) RU V BALIKPAPAN

We confirmed acceptance of your written dry certificate at 13.30 LT

hours local time, on June 14TH

Yours truly,

Hendro
Cargo Surveyor

Charles
Loading Master



PT PERTAMINA (PERSERO)

SHIPPING – MARKETING & TRADING DIRECTORATE

TANKER OPERATION, PT PERTAMINA (PERSERO) HEAD OFFICE 19TH Floor, Jln. Merdeka Timur 1A Jakarta 10110

Phone : (62-21) 3816367, 3816314, 3816339, 3816353, 3816217. Fax : 3455430, 3816348, 3507121

E-mail: opstanker@pertaminashipping.com

NOTICE OF READINESS

Voy No. 03 / L / P. 3006 / VI / 2015

PORT : Balikpapan
 DATE : June 14th, 2015
 TIME TENDERED : 06.00 LT

TO: PT. PERTAMINA (PERSERO) RU V BALIKPAPAN

Dear Sirs,

I hereby tender you the MT SELE / P. 3006

at the date time shown above as being ready in all respect to commence the loading /
 discharging of her cargo consisting of:

Description of cargo	Approximate amount / Bill of Lading quantity
SOLAR	± 34.000 KL Obsv

Laytime will commence as specified in the charter party covering this voyage

ACCEPTED

Very truly yours

Date : June 14th, 2015 Hour: 13.30 LT

By : Charles
 Loading Master

Capt. Hendrik Kapal
 Master

ORIGINAL / COPY *)



PT. PERTAMINA (PERSERO)
SHIPPING MARKETING & TRADING DIRECTORATE
JLN. YOS SUDARSO NO 32 - 34 TG. PRIOK - JAKARTA UTARA
 CABLE ADDRES "PERTAMINASHIP" TELEX : 64096, 64085, 64221 FAC : 4301492, 49310 PHONE : 4301086

LETTER OF DISCREPANCY

Tanggal : June, 16th 2015
 Date :
 Voyage : 03 / L / P.3006 / VI / 2015
 Pelabuhan : BALIKPAPAN
 Port :
 Kepada : PT. PERTAMINA (PERSERO) RU V BALIKPAPAN
 To :
 Dari Nakhoda : MT. SELE / P. 3006
 From the Master of

Setelah pengecekan kembali dengan teliti figures muatan yang dibongkar serta disesuaikan dengan draft dan deadweight dari kapal kami, maka terdapat perbedaan lebih dari 0.20 % antara B / L figures dengan ship's figures dengan perincian sebagai berikut :

After having been rechecked the figures of the cargo discharge carefully and compared with draft and deadweight of our vessel, the difference(s) of more than 0.20 percent between B / L and the ship's figures had been found as follows :

<u>Jenis</u>	<u>Angka Muatan Kapal</u>	<u>Angka Darat</u>	<u>Selisih</u>	<u>Persen (%)</u>
<u>Grade (s)</u>	<u>Ship's Figures</u>	<u>Shore Figures</u>	<u>Difference</u>	<u>Percentage (%)</u>
	(in BBL 60°F)	(in BBL 60°F)	(in BBL 60°F)	(R1)
SOLAR	207,756.474	208,581.940	-825.466	-0.40

Berdasarkan figures tersebut diatas, dengan ini kami nyatakan bahwa B / L telah kami tandatangi dibawah protes dengan ketentuan bahwa kapal tidak dapat dipertanggung jawabkan atas figures pembongkaran pada pelabuhan bongkar.

Based on above mentioned figures, we hereby declare that the B / L had been signed under protest notably that the Ship could not be hold responsible for the outturn figures at the Discharging Port.

Mengetahui,
 PT. PERTAMINA (PERSERO) RU V BALIKPAI PQC

CARGO SURVEYOR,

Hormat Kami,
 Yours faithfully

Anthoni

W. Azhar

Hari Murti

Capt. Hendrik Kapal
 Master MT. SELE / P. 3006

Tembusan : 1. Head Office Jakarta
 2. Marine PERTAMINA Balikpapan
 3. Discharge Port
 4. Cargo Surveyor

- Ullaging COT After Discharging dilakukan berulang - ulang disaksikan Loading Master dan Cargo Surveyor
- Pihak Kapal tidak ikut menyaksikan perhitungan angka darat
- Tangki - tangki ballast di kapal sudah diperiksa dan tidak ditemukan grade muatan di tangki ballast
- Perhitungan Kapal menggunakan Density Observe Kapal dan temperatur tangki dalam masing-masing
- Angka darat Berdasarkan meter arus tanpa dikompared dengan dipping atau ATG



SLOP TANK CERTIFICATE

Name of vessel : MT. SELE / P. 3006

DATE : June 14th, 2015

Description of Cargo : SOLAR

Voy. No. : 03/L/P. 3006/VI/2015

Port of Loading : BALIKPAPAN

Port of Discharging : STS Balikpapan

BEFORE LOADING / DISCHARGING

DATE : 14.06.2015

Draft: Fore : 4.20 M

Aft : 5.40 M

Trim : 1.20 M

Tank No.		ACTUAL ULLAGE (CM)		VOLUME (KL)			REMARKS
		TOP	INTERFACE	TOTAL	WATER	Dirty Oil	
SLP	P	1465.5	1469.5	66.7	64.9	1.8	- Eks From Bilge Engine Room
	S	1476.0	1484.0	62.0	58.6	3.4	- Eks From Bilge Engine Room
	TOTAL			128.7	123.5	5.2	- Eks From Bilge Engine Room

VESSEL REPRESENTATIVE	TERMINAL REPRESENTATIVE	CARGO SURVEYOR	PQC
HELMY HERMAWAN	CHARLES	HENDRO	
CHIEF MATE	LOAD / DISCH MASTER		

AFTER LOADING / DISCHARGING

DATE : 16.06.2015

Draft: Fore : 8.90 M

Aft : 9.00 M

Trim : 0.10 M

Tank No.		ACTUAL ULLAGE (CM)		VOLUME (KL)			R E M A R K S
		TOP	INTERFACE	TOTAL	WATER	Dirty Oil	
SLP	P	1413.0	1470.0	102.7	98.6	4.12	- Eks From Bilge Engine Room
	S	1464.0	1421.6	78.5	75.8	2.7	- Eks From Bilge Engine Room
	TOTAL			181.2	174.4	6.82	- Eks From Bilge Engine Room

VESSEL REPRESENTATIVE	TERMINAL REPRESENTATIVE	CARGO SURVEYOR	PQC
HELMY HERMAWAN			
CHIEF MATE	LOAD / DISCH MASTER		



PT. PERTAMINA (PERSERO)
 SHIPPING - MARKETING & TRADING DIRECTORATE
 TANKER OPERATION. PT PERTAMINA (PERSERO) HEAD OFFICE 19TH Floor
 Jln. Merdeka Timur 1A Jakarta 10110 Phone : (62-21) 3816367, 3816314, 3816339
 3816353, 3816217. Fax : 3455430, 3816348, 3507121 E-mail: opstanker@pertainashipping.com

TANKER TIME SHEET

Vessel Name : MT. SELE / P. 3006	Port of : Balikpapan	Next Port : SBM Semarang
Flag : INDONESIA	Date : June 16, 2015	
Master : Capt. Hendrik Kapal	Voy No. : 03 / L / P. 3006 / VI / 2015	
GRT : 21338.80 T	Last Port : TG. GEREM	
DWT : 29990.00 T	B / L No. : 	

Draft (M)	Fore	Mean	Aft
ARRIVAL	4.20	4.80	5.40
DEPARTURE	8.90	8.95	9.00

STATEMENT OF ACTIVITY	DATE	HOUR	TOTAL PART TIME	REMARKS
Actual Time Arrived BALIKPAPAN	14.06.2015	06.42		14.06.2015 : 13.12 - 13.30 : Tanks Inspection Before Loading
Anchor at Outer Bar	14.06.2015	09.00	B	16.06.2015 : 13.45 - 14.45 : Ullaging COT After Loading
Pilot On Board (Sea Pilot)	-	-		16.06.2015 : 15.00 - 16.00 : Ullaging COT II
Anchor Up	-	-	A	16.06.2015 : 18.00 : Completed Calculation
Anchor at Inner Anchorage	-	-		
Free Pratique Granted	-	-		
Pilot On Board/ (Harbour Pilot)	14.06.2015	11.12		
Anchor Up	14.06.2015	11.36	B	
NOR Tendered	14.06.2015	06.00		
NOR Accepted	14.06.2015	13.30		
First Line	14.06.2015	12.30	A	
All Made Fasted	14.06.2015	13.00		
Loading Arm Connected HSD	14.06.2015	13.06	C	
Cargo Hose Connected	-	-		
Commenced Ballast / Deballast	14.06.2015	17.00	A	
Completed Ballast / Deballast	15.06.2015	11.54		
Commenced Load / Disch HSD	14.06.2015	14.24	A	
Completed Load / Disch HSD	16.06.2015	10.42		
Stopped Load / Disch order by Ship / Shore	-	-	A	
Resume Load / Disch (2)	-	-	A	
Stopped Load / Disch order by Shore	-	-	A	
Resume Load / Disch (3)	-	-	A	
Commenced Load / Disch	-	-	A	
Completed Load / Disch	-	-	A	
Reduced Load/Disch rate order by Ship/Shore	-	-	/	
Continues to Agreement Rate Load/ Disch	-	-	C	
Reduced Load/Disch rate order by Ship/Shore	-	-		
Continues to Agreement Rate Load/ Disch	-	-		
L.A. Disconnected HSD	16.06.2015	12.00		
Cargo Hose / L.A. Disconnected	-	-		
Ship's Paper & Cargo Document on Board	16.06.2015	19.00		
Bunker Hose Connected				
Commenced Bunker			C	
Completed Bunker				
Bunker Hose Disconnected				
Bunker Hose Connected				
Commenced Bunker			A	
Completed Bunker				
Bunker Hose Disconnected			A	
Anchor at Inner Anchorage				
Pilot On Board			B	
Anchor Up				
Actual Time Departure / Sailed			A	
				ROB
				Grade Last Port Arr Repl Dept
				MFO 285.835 190.200 190.200
				MDO 124.179 113.600 107.500
				HSD
				FW 189 150 130
				LO
				SOLAR
				Grade
				Volume Loaded (Kl) 33,864.100
				Loading Time (Hr) 44.3
				Stopping Time (Hr)
				Load Time (Hr) 44.3
				Loading Rate Agreement 800.0
				Actual Load Rate (Kl/hr) 764.427
TOTAL TIME FOR : SHIP (A) :		SHORE (C) :		
Explanation of Delay :		Port Time		Hrs
From :		Laytime Used		Hrs
From :		Laytime Allowed		Hrs
From :		Excess Time		Hrs
PT. PERTAMINA (PERSERO)		MT. SELE / P. 3006		
Representative Balikpapan		MASTER		

Jodis Nainggolan

Capt. Hendrik Kapal

Name of Vessel : MT. SELE / P. 3006
Voyage : 03 / D1 / P. 3006 / VI / 2015
Port / Date : SBM Semarang / June 24th, 2015

Draft in Meter	:	F	A	M	TRIM
After Loading	:	9.05	9.05	9.05	0.00
Sea & Weather Condition : Slight Sea					

Cargo Tank No.		Grade	Tanks Observation					Sample Obs'n		SG/API	Density	Vol Cor Factor	Nett KL	Vol Conv Factor	Barrels	Weight Conv Factor	Long Tons	Metric Tons	
			Corr Ullage	Gross Vol KL	Free Water		Nett Vol KL	Tank Temp (° C)	SG / API Density	Temp (° C)	@60° F Table 23/5)		@15°C (Table 21/53)						@15° C
					Dip	Vol KL													
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
PORT	1	SOLAR	402.4	2380.040	0.0	0.000	2,380.040	30.8	0.824	39.0		0.8400	0.987300	2,349.813	6.293	14,787.373	0.8257	1,940.241	1,971.382
	2	SOLAR	405.0	1434.600	0.0	0.000	1,434.600	32.6	0.824	39.0		0.8400	0.985700	1,414.085	6.293	8,898.837	0.8257	1,167.610	1,186.350
	3	WBT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	SOLAR	242.1	2403.620	0.0	0.000	2,403.620	34.9	0.824	39.0		0.8400	0.984000	2,365.162	6.293	14,883.964	0.8257	1,952.914	1,984.258
	slop																		
CTR	1	SOLAR	561.5	3931.550	0.0	0.000	3,931.550	32.8	0.824	39.0		0.8400	0.985700	3,875.329	6.293	24,387.445	0.8257	3,199.859	3,251.217
	2	SOLAR	401.5	5104.700	0.0	0.000	5,104.700	36.2	0.824	39.0		0.8400	0.982800	5,016.899	6.293	31,571.345	0.8257	4,142.454	4,208.940
	3	SOLAR	198.5	5953.600	0.0	0.000	5,953.600	40.0	0.824	39.0		0.8400	0.979500	5,831.551	6.293	36,697.950	0.8257	4,815.112	4,892.395
	4	SOLAR	206.0	6014.100	0.0	0.000	6,014.100	37.5	0.824	39.0		0.8400	0.981600	5,903.441	6.293	37,150.354	0.8257	4,874.471	4,952.706
STB	1	SOLAR	402.5	2379.825	0.0	0.000	2,379.825	31.7	0.824	39.0		0.8400	0.986500	2,347.697	6.293	14,774.057	0.8257	1,938.493	1,969.606
	2	SOLAR	403.5	1436.400	0.0	0.000	1,436.400	33.5	0.824	39.0		0.8400	0.984800	1,414.567	6.293	8,901.870	0.8257	1,168.008	1,186.755
	3	WBT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	SOLAR	179.5	2521.425	0.0	0.000	2,521.425	35.4	0.824	39.0		0.8400	0.983600	2,480.074	6.293	15,607.106	0.8257	2,047.797	2,080.664
	slop																		
Total																			
Per																			
Grade	SOLAR		33,559.860			33,559.860								32,998.618		207,660.301		27,246.959	27,684.273
SOLAR	BL	SFAL	DIFF	R1 (%)	SFBD	DIFF	R2 (%)	NOTE 1. ULLAGING AFTER LOADING DILAKUKAN BERULANG-ULANG DISAKSIKAN LOADING MASTER DAN CARGO SURVEYOR 2. CALCULATION MENGGUNAKAN SHIP OBSERVE DENSITY DAN INDIVIDUAL TANK INNAGE TEMPERATURE ACKNOWLEDGE MEASUREMENTS, Loading / Disch Master, Cargo Surveyor, Chief Officer, Dwi Sutantono Daud N. H. Helmi Hermawan											
Ltrobv	34,153.071	33,864.100	-288.971	-0.85	33559.860	-304.240	-0.891												
KI15C	33,145.072	33,078.375	-66.697	-0.20	32998.618	-79.757	-0.241												
Bbls	208,581.940	208,162.213	-419.727	-0.20	207660.301	-501.912	-0.241												
LT	27,334.294	27,249.964	-84.330	-0.31	27246.959	-3.005	-0.011												
MT	27,773.009	27,687.324	-85.685	-0.31	27684.273	-3.051	-0.011												
MAKSIMUM TRANSPORT LOSSES (R2) = - 0.016 %																			



PT PERTAMINA (PERSERO)

SHIPPING – MARKETING & TRADING DIRECTORATE

SHIPPING OPERATION DIVISION, HEAD OFFICE 19TH Floor, Jln. Merdeka Timur 1A Jakarta 10110

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E-mail: opstanker@pertaminashipping.com

DRY CERTIFICATE
(After Discharging)

PORT : SBM Semarang

DATE : June 28TH, 2015

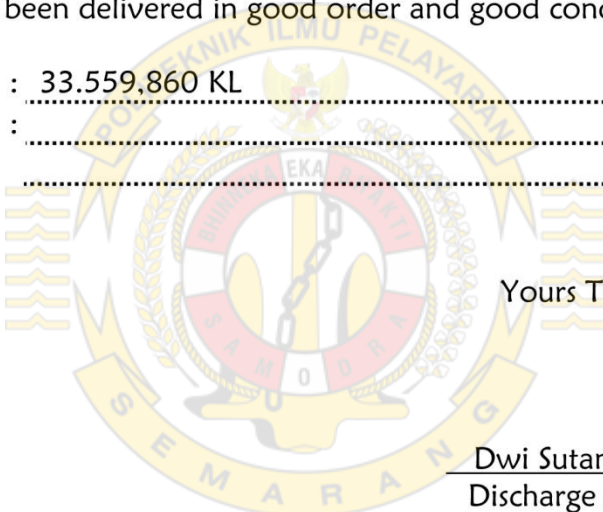
To Master Of MT. SELE / P. 3006

I, the Discharging Master, have inspected all ship's tanks

at 07.06 – 07.36 LT hours local time, on June 28TH, 2015and found Dry , Clear & Empty for COT No. 1P/S, 2P/S, 4P/S, 1C, 2C,3C, 4C
cargo on board has been delivered in good order and good condition.

Remark:

Quantity of ROB : 33.559,860 KL



Yours Truly

Dwi Sutantono
Discharge Master

To Discharge Master PT. PERTAMINA (PERSERO) TBBM SEMARANG

We confirmed acceptance of your written dry certificate at 07.36 LT
hours local time, on June 28TH, 2015

Yours truly,

Daud N.H
Cargo Surveyor

Capt. Hendrik Kapal
Master



PT PERTAMINA (PERSERO)

SHIPPING – MARKETING & TRADING DIRECTORATE

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 E-mail: opstanker@pertainashipping.com

NOTICE OF READINESS

Voy No. 03 / D1 / P. 3006 / VI / 2015

PORT : SBM SEMARANG
 DATE : 24.06.2015
 TIME TENDERED : 09.42 LT

TO: PT. PERTAMINA (PERSERO) TBBM SEMARANG

Dear Sirs,

I hereby tender you the MT SELE / P. 3006

at the date time shown above as being ready in all respect to commence the loading /
 discharging of her cargo consisting of:

Description of cargo	Approximate amount / Bill of Lading quantity
SOLAR	± 33.864,100 KL

Laytime will commence as specified in the charter party covering this voyage

ACCEPTED

Very truly yours

Date : 24.06.2015 Hour: 12.12 LT

By : Dwi Sutantono
 Load / Disch Master

Capt. Hendrik Kapal
 Master

ORIGINAL / COPY *)



PT. PERTAMINA (PERSERO)
SHIPPING MARKETING & TRADING DIRECTORATE
JLN. YOS SUDARSO NO 32 - 34 TG. PRIOK - JAKARTA UTARA
 CABLE ADDRES "PERTAMINASHIP" TELEX : 64096, 64085, 64221 FAC : 4301492, 49310 PHONE : 4301086

LETTER OF DISCREPANCY

Tanggal : June 28, 2015
 Date
 Voyage : 02 / D1 / P. 3006 / VI / 2015
 Pelabuhan : SBM Semarang
 Port
 Kepada : LOADING MASTER PT. PERTAMINA (PERSERO) SEMARANG
 To
 Dari Nakhoda : MT. SELE / P. 3006
 From the Master of

Setelah pengecekan kembali dengan teliti figures muatan yang dibongkar serta disesuaikan dengan draft dan deadweight dari kapal kami, maka terdapat perbedaan lebih dari 0.30 % antara penerimaan darat dengan ship's figures dengan perincian sebagai berikut :

After having been rechecked the figures of the cargo discharged carefully and compared with draft and deadweight of our vessel, the difference(s) of more than 0.30 percent between Shore received and the ship's figures had been found as follows :

<u>Jenis</u>	<u>Angka Muatan Kapal</u>	<u>Angka Darat</u>	<u>Selisih</u>	<u>Persen (%)</u>
<u>Grade (s)</u>	<u>Ship's Figures</u>	<u>Shore Figures</u>	<u>Difference</u>	<u>Percentage (%)</u>
	(in BBL 60°F)	(in BBL 60°F)	(in BBL 60°F)	(R3')
	DISCHARGE	Actual Received		
HSD	207,660.031	206,762.231	-897.800	-0.43

Berdasarkan figures tersebut diatas, dengan ini kami nyatakan bahwa B / L telah kami tandatangani dibawah protes dengan ketentuan bahwa kapal tidak dapat dipertanggung jawabkan atas figures pembongkaran pada pelabuhan bongkar.

Based on above mentioned figures, we hereby declare that the B / L had been signed under protest notably that the Ship could not be hold responsible for the outturn figures at the Discharging Port.

Mengetahui,
 LOADING MASTER CARGO SURVEYOR, PQC

Hormat Kami,
 Yours faithfully

Retno B Pul Hendro A. Rabieh Capt. Hendrik Kapal
 LOADING MASTER Master MT. SELE / P. 3006
 Tembusan : 1. Head Office Jakarta
 2. Marine PERTAMINA Tg.Uban
 3. Dischargerort
 4. Cargo Surveyor

- Ullaging COT Before discharge dan After discharge dilakukan berulang - ulang disaksikan L/M, PQC & Surveyor
- Perhitungan Kapal menggunakan Density Observe Dari kapal
- Jarak antara manifold dengan tanki darat sekitar ± 1,2 KM dengan pipa berdiameter Ø 12'
- Pihak kapal tidak menyaksikan perhitungan angka darat



SLOP TANK CERTIFICATE

Name of vessel : MT. SELE / P. 3006

DATE : 24 JUNE 2015

Description of Cargo : HSD

Voy. No : 03 / D1 / P. 3006 / VI / 2015

Port of Loading : BALIKPAPAN

Port of Discharging : SBM SEMARANG

BEFORE LOADING / DISCHARGING

DATE : 24.06.2015

Draft: Fore : 9.00 M

Aft : 9.00 M

Trim : 0.00 M

Tank No.		ACTUAL ULLAGE (CM)		VOLUME (KL)			REMARKS
		TOP	INTERFACE	TOTAL	WATER	OILY	
SLP	P	1281.2	1300.5	153.9	144.0	9.9	- Eks From Bilge Engine Room
	S	1463.5	1468.4	65.4	63.3	2.1	- Eks From Bilge Engine Room
	TOTAL			219.3	207.3	12	- Eks From Bilge Engine Room

VESSEL REPRESENTATIVE	TERMINAL REPRESENTATIVE	CARGO SURVEYOR	PQC
HELMI HERMAWAN	DWI SUTANTONO	DAUD N. H.	
CHIEF MATE	LOAD / DISCH MASTER	SURVEYOR INDONESIA	

AFTER LOADING / DISCHARGING

DATE : 28.06.2015

Draft: Fore : 4.20 M

Aft : 5.40 M

Trim : 1.2 M

Tank No.		ACTUAL ULLAGE (CM)		VOLUME (KL)			REMARKS
		TOP	INTERFACE	TOTAL	WATER	OILY	
SLP	P	1212.0	1228.5	191.1	183.2	7.9	- Eks From Bilge Engine Room
	S	1466.0	1469.0	64.7	63.3	1.4	- Eks From Bilge Engine Room
				255.8	119.9	9.3	- Eks From Bilge Engine Room

VESSEL REPRESENTATIVE	TERMINAL REPRESENTATIVE	CARGO SURVEYOR	PQC
HELMI HERMAWAN	DWI SUTANTONO	Daud N. H	
CHIEF MATE	LOAD / DISCH MASTER	SURVEYOR INDONESIA	



PT. PERTAMINA (PERSERO)
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 3816353, 3816217, Fax : 3455430, 3816348, 3507121 E-mail: opstanker@pertaminashipping.com

TANKER TIME SHEET

Vessel Name : MT. SELE / P. 3006	Port of : SBM Semarang	Next Port : Ta Priok
Flag : INDONESIA	Date : June 28th, 2015	
Master : Capt. Hendrik Kapal	Voy No. : 03 / D1 / P. 3006 / VI / 2015	
GRT : 21338.80 T	Last Port : Balikpapan	
DWT : 29990.00 T	B / L No. :	

Draft on	Fwd	Mean	Aft	
Arrival	9.05	9.05	9.05	Mtr
Departure	4.20	4.80	5.40	Mtr

STATEMENT OF ACTIVITY	DATE	HOUR	TOTAL		REMARKS
			PART	TIME	
Actual Time Arrived SEMARANG	24.06.2015	09.00			
Anchor at Outer Bar	-	-	B		
Pilot On Board	-	-			
Anchor Up	-	-	A		
Anchor at Inner Anchorage	-	-			
Free Pratique Granted	-	-			
Pilot On Board	24.06.2015	10.48			
Anchor Up	-	-	B		
NOR Tendered	24.06.2015	09.42			
NOR Accepted	24.06.2015	12.12			
All Made Fasted	24.06.2015	11.48	A		
Hose Connected HSD	24.06.2015	12.12	C		
Commenced Disch HSD	24.06.2015	14.48	A		
Commenced Disch	-	-			
Stop Disch	-	-			
Resume Disch	-	-			
Stop Disch	-	-			
Resume Disch	-	-			
Completed Disch HSD	28.06.2015	06.54			
Stop Disch	-	-	A		
Reduced Load/Disch rate order by Shore	-	-			
Continues to Agreement Rate-Disch	-	-	/		
Reduced Disch rate order by Ship/Shore	-	-	C		
Continues to Agreement Rate Disch	-	-			
Commenced Ballast /Deballast-	26.06.2015	11.42			
Completed Ballast /Deballast-	26.06.2015	22.46			
Hose Disconnected /Shifting- HSD	28.06.2015	08.06			
Ship's Paper & Cargo Document on Board	-	-	B		
Commenced Bunker	-	-	A		
Completed Bunker	-	-			
Pilot On Board	-	-	A		
Cast Off / Shifting	-	-			
Pilot OFF	-	-	B		
Anchor at Inner Anchorage	-	-			
Actual Time Departure / Sailed	-	-	A		

SHORE FIGURE (New B/L)				SHIP FIGURE (DISCHARGE)			HSD
GRADE	SOLAR	PREMIUM	KERO	SOLAR	PREMIUM	KERO	
KL Obs	34,153.071			33,559.860			Volume Discharged 33,559.860
KL 15°C	33,145.072			33,073.084			Discharging Time (Hr) 88.1
Bbls 60°F	208,581.940			208,128.919			Stopping Time (Hr)
LT	27,334.294			27,222.456			Actual Disch (Hr) 88.1
MT	27,773.009			27,659.377			Rate Agreement (KI/hr) 300
							Actual Rate (KI/hr) 380.929

TOTAL TIME FOR : SHIP (A) :		SHORE (C) :	
Explanation of Delay :		Port Time	Hrs
From : - V/L Slow Pumping Rate Due To Safety Maximum RPM Pump & Long Distance		Laytime Used	Hrs
From : At Shore Tank		Laytime Allowed	Hrs
From :		Excess Time	Hrs

PT.PERTAMINA (PERSERO)
 Representative SBM Semarang

MT. SELE / P. 3006
 MASTER

Dwi Sutantono

Capt. Hendrik Kapal



PT PERTAMINA (PERSERO)

SHIPPING – MARKETING & TRADING DIRECTORATE

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BERITA ACARA PEMERIKSAAN TANGKI KAPAL NON NOMINASI

Pada hari ini Rabu tanggal 16 Juni 2014 jam 13.30 – 14.12 di Jetty 5B pelabuhan Balikpapan, setelah dilakukan kalkulasi cargo solar terjadi perbedaan losses -0.40% / - 825.466 Bbls (ship figure : 207.756,474 Bbls / shore figure : 208.581,940 Bbls) Antara angka perhitungan kapal dengan BL. Maka dilakukan Ullaging ulang sebanyak 3 kali. Dan dilakukan Pemeriksaan bersama terhadap tangki-tangki kapal non nominasi oleh perwakilan kapal, darat dan surveyor yaitu :

1. Forepeak Tank (ballast water)
2. Tangki ballas 2 wing dan 3 wing (Ballast Water)
3. Afterpeak tank (Fresh Water)
4. Pumproom bersih
5. Data Slop Terlampir

Setelah dilakukan pengukuran ulang dan pemeriksaan tanki-tanki tersebut diatas tidak ditemukan tanda-tanda yang mencurigakan.

Demikian berita acara ini dibuat dengan sesungguhnya untuk dapat dipergunakan sebagaimana mestinya.

Perwakilan Kapal

Perwakilan Darat

Surveyor

PQC

Helmi Hermawan
Mualim I

Charles
Loading Master

Hendro

W.Azhar



PT. RENO PILAR OFFSHORINDO

LIFEBOAT INSPECTION, LIFERAFT SERVICE, FIRE EXTINGUISHER SERVICE
 CALIBRATION AND MATERIAL TESTING, INSTALLATION CO2 FIXED SYSTEM
 Workshop : Jl. Kebon Baru 69, Buntu II No. 17, Kel. Sempur Barat, Cilandak Jakarta
 Office : Jl. Cakrawala II No. 33 Kaya, Tanjung Priok, Jakarta Utara 14220, Indonesia
 Phone : 62-21-44344388, 44344387 Fax : 62-21-44344388
 Direct email : opt.renopilar@yahoo.com
 Group email : pt.renopilar_offshorindo@yahoo.co.id

CALIBRATION & TEST REPORT

RPOC - 540242483

Measuring Instrument	: MMC International Corp	Type & Class	: D-2401-2
Merk	: Flexi - DIP	Temperature	: 24%
Serial Number	: 7167	Humidity	: 50%
Owner / User	: MT SELE		
Date of Calibration	20 November 2015	Location	: RPOC TECH LAB

This is to certify that the equipment listed has been examined and tested accordance with the requirement of :

- The MMC temperature specification and test procedures, using ASTM or equivalent Thermometer traceable to National & International Standards

Standard References :

TE - 179 / Certificate No. : Te/13/2967 traceable to National Standards

TE - 251 / Certificate No. : TE/13/3127 traceable to National Standards

TE - 107 / Certificate No. : CD1306079.02 traceable to National Standards

Medium	Beep	Status
Water	Intermittent	Ok
Oil	Continuous	OK

Actual Reading	0.0°C	22.1°C	46.3°C	75.5°C	93.5°C
Unit Under Test	0.0°C	22.1°C	46.2°C	75.7°C	93.3°C
Difference	0.0°C	0.0°C	-0.1°C	+0.2°C	-0.2°C

The equipment tested comprises of the following components, and this certificate is only valid for this equipment, replacement of sensor or display unit invalids the current certificate.


 (Taufan. ST)

DAFTAR RIWAYAT HIDUP

Nama : Andi Setiawan
NIT : 49124374.N
Tempat/Tanggal lahir : Klaten, 06 Februari 1994
Jenis kelamin : Laki-laki
Agama : Islam



Nama Orang Tua

Nama Ayah : H.Sunarso
Nama Ibu : Hj.Sriyani
Alamat : Potronayan Rt.02/Rw.04, Sabrang , Delanggu,
Klaten

Riwayat Pendidikan

1. SDN 2 Sabrang, Lulus 2006
2. SMP Negeri 1 Delanggu, Lulus 2009
3. SMA Negeri 1 Wonosari, Lulus 2012
4. Politeknik Ilmu Pelayaran Semarang 2012-Sekarang

Pengalaman Praktek Laut

1. Perusahaan Pelayaran : PT. Pertamina
2. Alamat : Jl. Yos Sudarso no.32-34 Tg.Piok Jakarta Utara
3. Nama Kapal : MT. Sele
4. Masa Layar : 22 Desember 2015 – 22 Desember 2016