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| Departemen_Perhubungan.wmf | FORM SKENARIO LABORATORIUM/SIMULATOR/ WORKSHOP | Nomor Dokumen : FM.USW.01.02a |
| Tgl. Ditetapkan :  |
| Revisi No :  |
| Tgl. Diberlakukan :  |
| Made By : | Reviewer : |
| PIP SEMARANG | **Capt. Agus Subardi, SP1. M Mar** |  |  **Capt. Dwi Antoro, MM., M.Mar**  |

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| Type Facilities :* Laboratorium
* Simulator
* Other
 | Name Laboratorium / Simulator / Other :SMS / Part Task Ship Handling Simulator / F.M. Ship Handling Simulator (Bridge). |

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| **STCW Convention** | **Certificat Of Competency** |
| **Program** | Rancangan Pelayaran / Passage Planning. **Scenario 06** |
| **REFERENSI STCW** | ***Reg. II/1-2 and STCW Code Section A-II/1.2******IMO Reference and STCW Code table A-II/2*** |
| **Aim of Exercise** | Penerapan ECDIS dan RADAR serta Logbook dan Voyage Report pada rancangan pelayaran.*Implementation of ECDIS and RADAR and Logbook and Voyage Report on passage planning* |
| **Objective** | 1. Cara mengoperasionalkan ECDIS

*How to operate ECDIS*1. Cara mengoperasionalkan RADAR

*How to operationalize RADAR*1. Cara mengisi dan memasukan data navigasi di logbook

*How to fill and enter navigation data in logbook*1. Cara mengisi dan mencatat record navigasi selama pelayaran

*How to fill in and record the navigation record during the voyage* |
| **Own Ship Data** | Ship NameCall SignType Of ShipDisplacementLOADraftMax SpeedType Of PropellerBow ThrusterCondition Anchor | MV. PADANGPKRAGENERAL CARGO SHIP4514.0 Ton173.5 meter * 1. meter

22 KnotsFPP SingleYesFull LoadedPort / Stbd 11 shackle  |
| **Exercise condition** | Kapal berlayar dari Tg Priok Jakarta, menuju Tg Perak Surabaya. Sebelum sandar, kapal berlabuh terlebih dulu di perairan rede Surabaya. Pilot Bording di Karang Jamuang, dan selanjutnya kapal berlayar dengan Pandu di alur pelayaran Surabaya.Alur pelayaran Surabaya dilengkapi dengan buoy penuntun sesuai dengan Sistim Perpelampungan “ A “, mulai dari Karang Jamuang sampai rede Surabaya.*The ship sailed from Tg Priok Jakarta, to Tg Perak Surabaya. Before docking, the ship docked first in the waiting anchorage of Surabaya. Pilot Boarding in Karang Jamuang, and then the boat sailed with Pandu in the Surabaya cruise line.The Surabaya cruise line is equipped with a guiding buoy in accordance with the* *"A" IALA System, from Karang Jamuang to waiting anchorage Surabaya*.1. Tentukan garis haluan kapal dengan menggunakan peralatan ECDIS, mulai dari kepanduan Karang Jamuang sampai dengan perairan pelabuhan Surabaya, dan hitunglah jaraknya

*Determine the course line of the ship using ECDIS equipment, ranging from Karang Jamuang Pilot Station to the waters of Surabaya port, and calculate the distance*1. Tentukan posisi kapal secara berkala , setiap 10 menit dengan RADAR, dengan memperhatikan tanda navigasi yang terdapat sepanjang perairan Selat Surabaya, antara Gersik dan pulau Madura.

*Determine the position of the ship regularly, every 10 minutes with RADAR, taking into account the navigation signs that exist along the waters of the Strait of Surabaya, between Gersik and the island of Madura.* |

**INITIAL INFORMATION**

|  |  |  |
| --- | --- | --- |
| **WIND** | **CURRENT** | **SEA STATE** |
| Direction | 220⁰ | Direction | North | Direction | North East |
| Speed | 2 knots | Speed | 0.5 knots | Speed | 00 knots |

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| **Briefing** | 10 minutes |
| **Exercise Duration** | 60 minutes |
| **Debriefing** | 10 minutes |

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| **Performance Criteria** |
| **NO** | **TIME** | **ACTIVITY** |
| 1 | 30 | Membuat garis haluan dengan menggunakan ECDIS1. Membuat Track dan Garis Haluan dengan menggunakan ECDIS

*Creating Track and Outline by using ECDIS*1. Masukkan WPT ke Voyage Plan (GPS)

*Put in WPT to Voyage Plan (GPS)*1. Menentukan posisi kapal setiap 10 menit dengan RADAR dan menghitung ETA

*Determine the position of the ship every 10 minutes with RADAR and calculate the ETA* |
| 2 | 10 | Komunikasi*Communication*1. Melakukan komunikasi dengan Kepanduan Karang Jamuang

*Communication with Karang Jamuang Pilot Station* 1. Melakukan komunikasi dengan kapal2 lain yang berada di Selat Surabaya

*Communication with another ships in area of Surabaya Strait.* |
| 3 | 10 | Mencatat dan memasukan data navigasi pelayaran di logbook, yang berkaitan dengan pelayaran dari Tg Priok ke Surabaya.*Record and enter the navigation data of shipping in logbook, related to the voyage from Tg Priok to Surabaya.* |
| 4 | 10 | Mencatat record navigasi selama pelayaran dari Tg Priok ke Surabaya*Recorded the navigation record during the voyage from Tg Priok to Surabaya*Data navigasi pelayaran*Navigation data*Data olah gerak kapal*Shipboard data* |
|  |  |  |
|  |  |  |

\*Critical performance below must get record **“Yes”** mark will lead the final result to mark **“FAIL”**

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Critical Performance** | **Y** | **N** |
| 1 | Membuat Track dan Garis Haluan dengan menggunakan ECDIS*Creating Track and Outline by using ECDIS* |  |  |
| 2 | Memasukkan WPT ke Voyage Plan (GPS) *Inserting WPT into Voyage Plan (GPS)* |  |  |
| 3 | Melakukan komunikasi dengan Kepanduan Karang Jamuang dan kapal lain di Selat Surabaya.*Communicating with Karang Jamuang pilot station and other ships in the Straits of Surabaya*. |  |  |
| 4 | Mengisi dan memasukan data olah gerak dan navigasi pelayaran di logbook*Fill out and enter navigation and data in manoeuvring book* |  |  |
| 5 | Mencatat record navigasi selama pelayaran dari Tg Priok ke Surabaya*Recorded the navigation record during the voyage from Tg Priok to Surabaya* |  |  |

**The Task And Evaluation Performance Criteria**

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| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Activity** | **Time Frame (minutes)** | **Result** | **Mark** | **Actual Time** | **Remark** |
|  | **Y** | **N** |
| **1** | **Voyage Plan** | **30** |  |  | **30** |  |  |
|  | 1. Membuat Track dan Garis Haluan di Peta

*Make track and sailing direction on the Chart* | *+10* |  |  | 15 |  |  |
|  | 1. Memasukkan WPT Ke GPS

*Input WPT to GPS* | *+10* |  |  | 5 |  |  |
|  | Menentukan posisi kapal setiap 10 menit dengan RADAR dan menghitung ETA*Determine the position of the ship every 10 minutes with RADAR and calculate the ETA* | *+10* |  |  | 10 |  |  |
| **2** |  **Komunikasi** | **+10** |  |  | **20** |  |  |
|  | 1. Komunikasi dengan Kepanduan Karang Jamuang

*Communication with Karang Jamuang pilot station* | *+5* |  |  | *10* |  |  |
|  | 1. Komunikasi Dengan Kapal-Kapal Lain

*Communication with another ships* | *+5* |  |  | *10* |  |  |
| **3** | **Mencatat dan memasukan data navigasi pelayaran di logbook, yang berkaitan dengan pelayaran dari Tg Priok ke Surabaya**.*Record and enter the navigation data of shipping in logbook, related to the voyage from Tg Priok to Surabaya.* | **+10** |  |  | **35** |  |  |
|  | 1. *Posisi kapal, benda bantu navigasi, suar dan bui*

*The position of the ship, the navigation aids, lighthouse and buoy*1. *Berita cuaca dan meteorological warning*

*Weather news and meteorological warning* | *+10* |  |  | *35* |  |  |
| **4** | **Mencatat record navigasi selama pelayaran** | **+10** |  |  | **15** |  |  |
|  | Persiapan kapal berlayar ONH to ER*Preparation of sailing ship ONH to ER* | *+5* |  |  | *5* |  |  |
|  | Mencatat BOSV dan EOSVPosisi kapal selama berlayarKeadaan khusus selama berlayarOlah gerak kapal waktu tiba di pelabuhan*Recording BOSV and EOSVThe position of the ship during sailingSpecial circumstances during sailing**Moving the ship when it arrives at the harbor* | *+5* |  |  | *10* |  |  |
|  |  | **+60** |  |  | **100** 100 |  |  |
|  |  |  | **Total** |  |  |  |

**Time factor**

|  |  |  |  |
| --- | --- | --- | --- |
| <60 minutes = 1 | 61 – 70 minutes = 0.9 | 70 – 80 minutes = 0.8 | >80 minutes = 0.5 |

**Total Time : ………………minutes Time Factor : …………….**

**Total Score : Total Mark X Total Factor = …………… x ……………. = …………….**

**Final Result : PASS / FAIL ( Passing Grade = 70 )**