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| Departemen_Perhubungan.wmf | FORM SKENARIO  LABORATORIUM/SIMULATOR/  WORKSHOP | | NomorDokumen : FM.USW.01.02a |
| Tgl. Ditetapkan : 18 Oktober 2017 |
| Revisi No : 00 |
| Tgl. Diberlakukan : 19 Oktober 2017 |
| Made By : | | Reviewer : |
| PIP SEMARANG | HARTOYO, S.ST | Capt.H.S. SUMARDI,SH, MM. M.Mar | CAPT. AGUS SUBARDI, SP1. M.MAR |

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

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| Criteria on STCW Code | Certificate Of Proficiency | |
| **Program** | Mooring Master | |
| **REFERENSI STCW** |  | |
| **Kopetensi**  **Competency** | Mengolah gerak Kapal dan Menyandarkan Kapal  *Ship’s Maneuvering and berthing* | |
| **AIM of Exercise** | Mengolah gerak dan penanganan kapal untuk sandar dengan menyesuaikan kecepatan dan arah serta menggunakan kapal Tug untuk menjaga keamanan bernavigasi.  *Maneuvering and ship’s handling for unberthing with adjust the speed and direction and using tug boat for safe the navigation.* | |
| **Objective** | 1. Persiapan untuk sandar   *Prepare for berthing*   1. Komunikasi dengan jetty/Kapal yang akan disandari   *Communication with jetty or ship to be berthed*.   1. Komunikasi Dengan Tug   *Communication with tug boat*   1. Komunikasi dengan Deck Haluan dan Buritan   *Communication with fore and aft*   1. Menentukan posisi secara berkala   *Determine the position periodically*   1. Mengolah gerak untuk proses sandar   *Maneuvering for berthing process*   1. Kapal Inposition dan laporan kesemua pihak.   *Ship’s in position and report to all the parties* | |
| **Own Ship Data** | Ship Name  Call Sign  Type Of Ship  Displacement  LOA  Draft  Max Speed  Type Of Propeller  Bow Thruster | MV. ERLYNE  A8WN7  BULK CARRIER  76800,0 T  290,0 m  9,3 m  8,02 knot  FPP/Single  No |
| **Ship Tug 1** | Ship Name  Call Sign  Type Of Ship  Displacement  LOA  Draft  Max Speed  Type Of Propeller  Bow Thruster | KT.NAKULA  YB6377  ASD Tug  1000,0 T  33,1 m  4,4 m  13,0 knot  Z Drive FPP  Yes |
| **Ship Tug 2** | Ship Name  Call Sign  Type Of Ship  Displacement  LOA  Draft  Max Speed  Type Of Propeller  Bow Thruster | KT.TIRTAYASA II  YDA4849  ASD Tug  1000,0 T  33,1 m  4,4 m  13,0 knot  Z Drive FPP  Yes |
| **Chanel Komunikasi**  ***Communication channel*** | Berkomunikasi Dengan Harbour Tag Chanel 15  *Communication with the harbor tag channel 15*  Berkomunikasi Dengan pihak Jetty Chanel 7  *Communication with the jetty at channel 7* | |
| **Exercise condition** | MV. ERLYNE , Call Sign A8WN7 berlayar dari Surabaya menuju pelabuhan banten, Setelah 2 hari kapal akan tiba di pelabuhan Ciwan dan banten. Kapal akan melakukan bongkar muat. Komunikasi dan menginformasikan dengan pihak jetty dan pihak yang terkait. Dalam olah gerak sandar KT. Nakula dan KT. Tirtayasa II telah Standby. Mesin kapal ERLYNE standby siap untuk olah gerak.  *MV. ERLYNE, Call sign A8WN7 is sailing from Surabaya to the port of Banten, after 2 days, the ship’s will arrive at port of Ciwan and Banten. The ship will load and discharging. Inform to the jetty and all the parties .when berthing maneuvering, KT. Nakula and KT. Tirtayasa 11 already stand by. The ship’s engine of ERLYNE stand by and ready to maneuver.* | |

**INITIAL INFORMATION**

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| --- | --- | --- | --- | --- | --- |
| **WIND** | | **CURRENT** | | **SEA STATE** | |
| Direction |  | Direction |  | Direction |  |
| Speed |  | Speed |  | Speed |  |

|  |  |
| --- | --- |
| **Briefing** | 10 Minutes |
| **Exercise Duration** | 30 minutes |
| **Debriefing** | 10 Minutes |

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| **Criteria** | : |  |  |  |

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| **No** | **Time Frame (mts)** | **Activity** | **Result** | | **Weight** | **Mark** | **Actual Time** | **Remark** |
| **Y** | **N** |
|  | **0** | **Komunikasi**  ***Communication*** |  |  | **15** |  |  |  |
| **1** | ***+ 2.5*** | Komunikasi dengan semua pihak  *Communication with all the parties* |  |  | ***10*** |  |  |  |
| **2** | ***+ 2.5*** | Menginformasikan ke Deck untuk persiapan sandar  *Inform to the deck for prepare to berthing* |  |  | ***5*** |  |  |  |
|  | **5** | **Memonitor posisi Kapal**  ***Monitoring the ship’s position*** |  |  | **20** |  |  |  |
| **3** | ***+ 2.5*** | Menentukan posisi secara berkala  *Determine the position periodically.* |  |  | ***10*** |  |  |  |
| **4** | ***+ 2.5*** | Memonitor kedalaman laut  *Monitoring the depth of the sea* |  |  | ***10*** |  |  |  |
|  | **10** | **Mengolah Gerak**  *Maneuvering* |  |  | **70** |  |  |  |
| **5** | ***+ 3*** | Mengolah gerak mendekati area Jetty  *Maneuvering to approach the jetty* |  |  | ***10*** |  |  |  |
| **6** | ***+2*** | Perubahan dari Auto pilot ke manual  *Change from the auto to manual* |  |  | ***10*** |  |  |  |
| **7** | ***+2*** | Menyesuaikan kecepatan untuk mengolah gerak  *Adjust the speed to maneuvering* |  |  | ***10*** |  |  |  |
| **8** | ***+ 2*** | Memonitor arah dan kecepatan angin dan arus  *Monitoring the direction, wind speed and current* |  |  | ***10*** |  |  |  |
| **9** | ***+ 5*** | Mengolah gerak untuk sandar  *Maneuver to berthing* |  |  | ***10*** |  |  |  |
| **10** | ***+2*** | Konfirmasikan Tug sudah terikat  *Confirm that tug boat already boulder* |  |  | ***10*** |  |  |  |
| **11** | ***+2*** | Mengkonfirmasikan semua Crew standby Haluan dan Buritan.  *Confirm that all the crews are stand by at fore and aft* |  |  | ***5*** |  |  |  |
| **12** | ***+2*** | Laporan keotoritas pelabuhan bahwa kapal sudah sandar di jetty.  *Report to the port otority that the ship is already berthed at jetty* |  |  | ***10*** |  |  |  |
|  | **30** |  |  |  | **100** |  |  |  |

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

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| --- | --- | --- | --- |
| **No** | **CriticalPerformance** | **Y** | **N** |
| 1 | Menjaga Komunikasi dengan semua pihak  *Keep the communication with all the parties* |  |  |
| 2 | Menentukan posisi secara berkala  *Determine the position periodically* |  |  |
| 3 | Menyesuaikan kecepatan untuk olah gerak  *Adjust the speed to manouvering* |  |  |
| 4 | Memonitoring kedalaman laut  *Monitoring the depth of the ship* |  |  |
| 5 | Laporan keotoritas Pelabuhan Banten bahwa kapal sudah sandar di Jetty.  *Report to the port otority at port of Banten that the ship’s already berthed at jetty.* |  |  |
| 6 | Kapal Tubrukan atau kandas  *Ship’s collision or grounded* |  |  |

**Time factor**

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| --- | --- | --- | --- |
| <30 minutes = 1 | 31 – 40 minutes = 0.9 | 41 – 50 minutes = 0.8 | >50 minutes = 0.5 |

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

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

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