KOMPETENSI INTI DAN KOMPETENSI DASAR

SEKOLAH MENENGAH KEJURUAN/MADRASAH ALIYAH KEJURUAN

Bidang Keahlian : Kemaritiman

Program Keahlian : Pelayaran Kapal Niaga

Kompetensi Keahlian : Nautika Kapal Niaga ( NKN )

Tujuan kurikulum mencakup empat aspek kompetensi, yaitu (1) aspek kompetensi sikap spiritual, (2) sikap sosial, (3) pengetahuan, dan (4) keterampilan. Aspek-aspek kompetensi tersebut dicapai melalui proses pembelajaran intrakurikuler, kokurikuler, dan ekstrakurikuler.

Rumusan kompetensi sikap spiritual yaitu, “Menghayati dan mengamalkan ajaran agama yang dianutnya”. Sedangkan rumusan kompetensi sikap sosial yaitu, “Menghayati dan mengamalkan perilaku jujur, disiplin, santun, peduli (gotong royong, kerja sama, toleran, damai), bertanggung-jawab, responsif, dan proaktif melalui keteladanan, pemberian nasihat, penguatan, pembiasaan, dan pengkondisian secara berkesinambungan serta menunjukkan sikap sebagai bagian dari solusi atas berbagai permasalahan dalam berinteraksi secara efektif dengan lingkungan sosial dan alam serta dalam menempatkan diri sebagai cerminan bangsa dalam pergaulan dunia”. Kedua kompetensi tersebut dicapai melalui pembelajaran tidak langsung (*indirect teaching*) yaitu keteladanan, pembiasaan, dan budaya sekolah, dengan memperhatikan karakteristik mata pelajaran serta kebutuhan dan kondisi peserta didik.

Penumbuhan dan pengembangan kompetensi sikap dilakukan sepanjang proses pembelajaran berlangsung, dan dapat digunakan sebagai pertimbangan guru dalam mengembangkan karakter peserta didik lebih lanjut.

| KOMPETENSI INTI 3(PENGETAHUAN) | KOMPETENSI INTI 4(KETERAMPILAN) |
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| 1. Memahami, menerapkan, menganalisis, dan mengevaluasi tentang pengetahuan faktual, konseptual, operasional dasar, dan metakognitif sesuai dengan bidang dan lingkup kerja Nautika Kapal Niaga ( NKN ) pada tingkat teknis, spesifik, detil, dan kompleks, berkenaan dengan ilmu pengetahuan, teknologi, seni, budaya, dan humaniora dalam konteks pengembangan potensi diri sebagai bagian dari keluarga, sekolah, dunia kerja, warga masyarakat nasional, regional, dan internasional.
 | 1. Melaksanakan tugas spesifik dengan menggunakan alat, informasi, dan prosedur kerja yang lazim dilakukan serta memecahkan masalah sesuai dengan bidang kerja Nautika Kapal Niaga ( NKN ). Menampilkan kinerja di bawah bimbingan dengan mutu dan kuantitas yang terukur sesuai dengan standar kompetensi kerja.

Menunjukkan keterampilan menalar, mengolah, dan menyaji secara efektif, kreatif, produktif, kritis, mandiri, kolaboratif, komunikatif, dan solutif dalam ranah abstrak terkait dengan pengembangan dari yang dipelajarinya di sekolah, serta mampu melaksanakan tugas spesifik di bawah pengawasan langsung.Menunjukkan keterampilan mempersepsi, kesiapan, meniru, membiasakan, gerak mahir, menjadikan gerak alami dalam ranah konkret terkait dengan pengembangan dari yang dipelajarinya di sekolah, serta mampu melaksanakan tugas spesifik di bawah pengawasan langsung. |

1. Mata Pelajaran : Prosedur Darurat dan SAR *(Emergency Procedure and SAR )*

| KOMPETENSI DASAR | KOMPETENSI DASAR | WAKTU | UNIT KOMPETENSI | SKEMA SERTIFIKASI |
| --- | --- | --- | --- | --- |
| * 1. Describe contingency plans for response to emergencies
 | 1. Demonstrate contingency plans for response to emergencies
 | 6 | IMC 7.031.5.1Contingency plans for response to emergencies | Peserta didik menempuh seluruh kompetensi dan mengikuti ujian keahlian pelaut serta dinyatakan LULUS maka Peserta didik akan mendapatkan sertifikat kompetensi ANT IV (Ahli Nautika Tingkat IV) yang dikeluarkan oleh Direktorat Jenderal Perhubungan Laut.  |
| * 1. Describe precautions for protection and safety of passengers in emergency situations
 | 1. Demonstrate precautions for protection and safety of passengers in emergency situations
 | 6 | IMC 7.031.5.1Precautions for protection and safety of passengers in emergency situations |
| * 1. Explain precautions when beaching a vessel
 | 1. Apply precautions when beaching a vessel
 | 6 | IMC 7.031.5.2Precautions when beaching a vessel |
| * 1. Understand actions on stranding/grounding
 | 1. Demonstrate actions on stranding/grounding
 | 6 | IMC 7.031.5.2Actions on stranding/grounding |
| * 1. Describe initial assessment of damage and damage control
 | 1. Demonstrate initial assessment of damage and damage control
 | 6 | IMC 7.031.5.2Initial assessment of damage and damage control |
| * 1. Apply actions following a collision
 | * 1. Demonstrate actions following a collision
 | 6 | IMC 7.031.5.2Actions following a collision |
| * 1. Explain means of limiting damage and salving shipfollowing fire or explosion
 | * 1. Apply means of limiting damage and salving shipfollowing fire or explosion
 | 6 | IMC 7.031.5.2Means of limiting damage and salving shipfollowing fire or explosion |
| * 1. Apply procedures for abandoning ship
 | * 1. Use procedures for abandoning ship
 | 6 | IMC 7.031.5.2Procedures for abandoning ship |
| * 1. Describe use of auxiliary steering Gear and the rigging and use of jury steering arrangements
 | * 1. Demonstrate use of auxiliary steering gear and the rigging and use of jury steering arrangements
 | 6 | IMC 7.031.5.2Use of auxiliary Steering Gear and the Rigging and Use of Jury Steering Arrangements |
| * 1. Explain arrangements for towing and being towed
 | * 1. Demonstrate arrangements for towing and being towed
 | 6 | IMC 7.031.5.2Arrangements for towing and being towed |
| * 1. Describe rescuing persons from the sea, assisting a ship in distress and port emergencies
 | * 1. Demonstrate rescuing persons from the sea, assisting a ship in distress and port emergencies
 | 6 | IMC 7.031.5.3rescuing persons from the sea, assisting a ship in distress and port emergencies |
| * 1. Explain Search and rescue
 | * 1. Demonstrate Search and rescue
 | 6 | IMC 7.031.5.3Search and rescue |
| JUMLAH JAM | 72 |  |  |

1. Mata Pelajaran : Hukum Maritim *( Maritime Law )*

| KOMPETENSI DASAR | KOMPETENSI DASAR | WAKTU | UNIT KOMPETENSI | SKEMA SERTIFIKASI |
| --- | --- | --- | --- | --- |
| * 1. Describes that maritime law
 | 1. Apply that maritime law
 | 2  | IMC 7.033.6.1maritime law | Peserta didik menempuh seluruh kompetensi dan mengikuti ujian keahlian pelaut serta dinyatakan LULUS maka Peserta didik akan mendapatkan sertifikat kompetensi ANT IV (Ahli Nautika Tingkat IV) yang dikeluarkan oleh Direktorat Jenderal Perhubungan Laut.  |
| * 1. Describes conventions on thelaw of the sea
 | 1. Apply conventions on the law of the sea
 | 2 | IMC 7.033.6.1(1-3)Conventions on the Law of the Sea |
| * 1. Understand territorial sea and the contiguous zone
 | 1. Apply territorial sea and the contiguous zone
 | 6 | IMC 7.033.6.1Territorial Sea and the Contiguous Zone |
| * 1. Describe International straits
 | 1. Apply International straits
 | 6 | IMC 7.033.6.1International Straits |
| * 1. Describe high seas
 | 1. Apply high seas
 | 4 | IMC 7.033.6.1High Seas |
| * 1. States the protection and preservation of the Marine environment
 | 1. Apply protection and preservation of the marine environment
 | 4 | IMC 7.033.6.1protection and Preservation of the Marine Environment |
| * 1. Understand safety, International Convention on load lines, 1966 (LL 1966)
 | 1. Apply safety, International convention on load lines, 1966 (LL 1966)
 | 6 | IMC 7.033.6.1Safety, International Convention on Load Lines, 1966 (LL 1966) |
| * 1. Apply International convention for the safety of life at sea, 1974 as amended (SOLAS)
 | 1. Analyze International convention for the safety of life at sea, 1974 as amended (SOLAS)
 | 6 | IMC 7.033.6.1International Convention for the Safety of Life at Sea, 1974 as amended (SOLAS) |
| * 1. Apply SOLAS, subdivision and stability, machinery and electrical installation
 | 1. Analyze SOLAS, subdivision and stability, machinery and electrical installation
 | 4 | IMC 7.033.6.1SOLAS, Subdivision and Stability, Machinery and Electrical Installation |
| * 1. Apply SOLAS, Fire Protection, Fire Detection and Fire Extinction
 | 1. Analyze SOLAS, Fire Protection, Fire Detection and Fire Extinction
 | 4 | IMC 7.033.6.1SOLAS, Fire Protection, Fire |
| * 1. Apply SOLAS, Life-Saving Appliances and Arrangements
 | 1. Analyze SOLAS, Life-Saving Appliances and Arrangements
 | 6 | IMC 7.033.6.1SOLAS, Life-Saving Appliances and Arrangements |
| * 1. Apply SOLAS, Radiotelegraphy and Radiotelephony
 | 1. Analyze SOLAS, Radiotelegraphy and Radiotelephony
 | 4 | IMC 7.033.6.1SOLAS, Radiotelegraphy and Radiotelephony |
| * 1. Apply The International Safety Management
 | 1. Implement The International Safety Management(ISM) Code
 | 4 | IMC 7.033.6.1The International Safety Management(ISM) Code |
| * 1. Apply International Convention on Standards of Training, Certification and Watch keeping for Seafarers, 2010 (STCW)
 | 1. Implement International Convention on Standards of Training, Certification and Watch keeping for Seafarers, 2010 (STCW)
 | 6 | IMC 7.033.6.1International Convention on Standards of Training, Certification and Watch keeping for Seafarers, 2010 (STCW |
| * 1. Understand ITU Radio Regulations
 | 1. Apply ITU Radio Regulations
 | 4 | IMC 7.033.6.1ITU Radio Regulations |
| * 1. Understand International Convention on Tonnage Measurement of Ships, 1969
 | 1. Apply International Convention on Tonnage Measurement of Ships, 1969
 | 4 | IMC 7.033.6.1International Convention on Tonnage Measurement of Ships, 1969 |
| JUMLAH JAM | 72 |  |  |

1. Mata Pelajaran : Pencegahan Pencemaran Lingkungan Laut

*( Marine Pollution of Prevention Include Environment Awareness )*

| KOMPETENSI DASAR | KOMPETENSI DASAR | WAKTU | UNIT KOMPETENSI | SKEMA SERTIFIKASI |
| --- | --- | --- | --- | --- |
| 1. Explain defines for the purpose of MARPOL 73/78
 | 1. Apply for the purpose of MARPOL 73/78
 | 38 | IMC 7.033.1.1MARPOL 73/78 | Peserta didik menempuh seluruh kompetensi dan mengikuti ujian keahlian pelaut serta dinyatakan LULUS maka Peserta didik akan mendapatkan sertifikat kompetensi ANT IV (Ahli Nautika Tingkat IV) yang dikeluarkan oleh Direktorat Jenderal Perhubungan Laut.  |
| Explain Convention and legislations adopted by various countries | * 1. Apply Convention and legislations adopted by various countries
 | 6 | IMC 7.033.1.1Convention and legislations adopted by various countries |
| Explain Control of discharge of oil | 4.3 Apply Control of discharge of oil | 6 | IMC 7.033.1.2Control of discharge of oil |
| * 1. Explain Oil Record Book (Part I - Machinery space operations) and Part II - Cargo/Ballast operations)
 | 4.4 Use Oil Record Book (Part I - Machinery space operations) and Part II - Cargo/Ballast operations) | 4 | IMC 7.033.1.2Oil Record Book (Part I - Machinery space operations) and Part II - Cargo/Ballast operations) |
| Explain Shipboard Oil Pollution Emergency Plan (SOPEP) including Shipboard Marine Pollution Emergency Plans (SMPEP) for Oil and/or Noxious Liquid Substances and Vessel Response Plan (VRP) | * 1. Apply Shipboard Oil Pollution Emergency Plan (SOPEP) including Shipboard Marine Pollution Emergency Plans (SMPEP) for Oil and/or Noxious Liquid Substances and Vessel Response Plan (VRP)
 | 4 | IMC 7.033.1.2Shipboard Oil Pollution Emergency Plan (SOPEP) including Shipboard Marine Pollution Emergency Plans (SMPEP) for Oil and/or Noxious Liquid Substances and Vessel Response Plan (VRP) |
| Explain Operating procedures of anti-pollution equipment, sewage plant, incinerator, comminutor, ballast water treatment plant | * 1. Apply Operating procedures of anti-pollution equipment, sewage plant, incinerator, comminutor, ballast water treatment plant
 | 4 | IMC 7.033.1.1Operating procedures of anti-pollution equipment, sewage plant, incinerator, comminutor, ballast water treatment plant |
| * 1. Explain Volatile Organic Compound (VOC) Management Plan, Garbage Management System, Anti-fouling systems, Ballast Water Management and their discharge criteria
 | * 1. Apply Volatile Organic Compound (VOC) Management Plan, Garbage Management System, Anti-fouling systems, Ballast Water Management and their discharge criteria
 | 6 | IMC 7.033.1.2Volatile Organic Compound (VOC) Management Plan, Garbage Management System, Anti-fouling systems, Ballast Water Management and their discharge criteria |
| Explain Proactive measures to protect the marine environment | * 1. Apply Proactive measures to protect the marine environment
 | 4 | IMC 7.033.1.3Proactive measures to protect the marine environment  |
| JUMLAH JAM | 72 |  |  |

1. Mata Pelajaran : Bahasa Inggris Maritim *( Maritime English )*

| KOMPETENSI DASAR | KOMPETENSI DASAR | WAKTU | UNIT KOMPETENSI | SKEMA SERTIFIKASI |
| --- | --- | --- | --- | --- |
| 1. Understand identifies and namesof the main parts of a passenger vessel in  speech  and  writing
 | 1. Apply identifies and names of the main parts of a passenger vesselin speech  and  writing.
 | 20  | IMC 7.031.7.11.7.2names of the main parts of a passenger vesselin speech  and  writing | Peserta didik menempuh seluruh kompetensi dan mengikuti ujian keahlian pelaut serta dinyatakan LULUS maka Peserta didik akan mendapatkan sertifikat kompetensi ANT IV (Ahli Nautika Tingkat IV) yang dikeluarkan oleh Direktorat Jenderal Perhubungan Laut.  |
| 1. Understand asks  for  and  givespersonal  data
 | 1. Apply ask  for  and  gives  personal  data
 | 20  | IMC 7.031.7.11.7.2ask  for  and  gives  personal  data |
| 1. Describes crew roles and routines on boardpassenger vessels
 | 1. Apply crew roles and routines on board passenger vessels
 | 16 | IMC 7.031.7.11.7.2crew roles and routines on board passenger vessels |
| 1. Describes job responsibilities on board
 | 1. Apply job responsibilities on board
 | 24  | IMC 7.031.7.11.7.2job responsibilities on board |
| * 1. Understand considers instructions  on board  ship
 | 1. Apply considers instructions  on board  ship
 | 16 | IMC 7.031.7.11.7.2considers instructions  on board  ship |
| * 1. Understand trainees will role‐play the various drillson  board  ships
 | 1. Apply trainees will role‐play the various drillson  board  ships
 | 16 | IMC 7.031.7.11.7.2trainees will role‐play the various drillson  board  ships |
| * 1. Understand discusses  human  behaviour  in emergencies
 | 1. Apply discusses  human  behaviour  in emergencies
 | 16 | IMC 7.031.7.11.7.2discusses  human  behaviour  in emergencies |
| * 1. Apply practises  the  communication  related  to crowd  and  crisis management  in  an emergencysituation
 | 1. Demonstrate practises  the communication  related to crowd  and  crisis  management  inan  emergencysituation
 | 16 | IMC 7.031.7.11.7.2practises  the  communication  related to crowd  and  crisis  management  inan  emergencysituation |
| JUMLAH JAM | 144 |  |  |

1. Mata Pelajaran : Konstruksi dan Stabilitas *( Ship Construction and Stability )*

| KOMPETENSI DASAR | KOMPETENSI DASAR | WAKTU | UNIT KOMPETENSI | SKEMA SERTIFIKASI |
| --- | --- | --- | --- | --- |
| 1. Understand Ship dimensions and form
 | 1. Illustrates Perform ship dimensions and form
 | 20 | IMC 7.033.2.2.1ship dimensions and form | Peserta didik menempuh seluruh kompetensi dan mengikuti ujian keahlian pelaut serta dinyatakan LULUS maka Peserta didik akan mendapatkan sertifikat kompetensi ANT IV (Ahli Nautika Tingkat IV) yang dikeluarkan oleh Direktorat Jenderal Perhubungan Laut.  |
| 1. Describe Ship Stresses
 | 1. Apply Ship Stresses
 | 10 | IMC 7.033.2.2.2Ship Stresses |
| 1. Describe Hull structure
 | 1. Identifies of hull structure
 | 20 | IMC 7.033.2.2.3hull structure |
| 1. Describe Bow and stern regions
 | 1. Identifies Bow and stern regions
 | 10 | IMC 7.033.2.2.4Bow and stern |
| 1. Describe Fittings
 | 1. Identifies of fittings
 | 15 | IMC 7.033.2.2.5fittings |
| 1. Describe Explain Rudders and propellers
 | 1. Identifies Rudders and propellers
 | 20 | IMC 7.033.2.2.6Rudders and propellers |
| 1. Describe Explain Load lines and draught marks
 | 1. Show of Load lines and draught marks
 | 10 | IMC 7.033.2.2.7Load lines and draught marks |
| 1. Explain defines Displacement
 | 1. Apply of displacement
 | 5 | IMC 7.033.2.1.1displacement |
| 1. Describes Buoyancy
 | 1. Apply of buoyancy
 | 5 | IMC 7.033.2.1.2 |
| 1. Understand Fresh water allowance
 | 1. Apply fresh water allowance
 | 5 | IMC 7.033.2.1.3fresh water allowance |
| 1. States thatStatical stability
 | 1. Apply Statical stability
 | 5 | IMC 7.033.2.1.4Statical stability |
| 1. States that Initial stability
 | 1. Apply Initial stability
 | 5 | IMC 7.033.2.1.5Initial stability |
| 1. States that Angle of loll
 | 1. Show that Angle of loll
 | 5 | IMC 7.033.2.1.6Angle of loll |
| 1. States that Curves of statical stability
 | 1. Show of curves of statical stability
 | 5 | IMC 7.033.2.1.7curves of statical stability |
| 1. States that Movement of centre of gravity
 | 1. Calculate movement of centre of gravity
 | 5 | IMC 7.033.2.1.8movement of centre of gravity |
| 1. Describes List and Its Correction
 | 1. Demonstrate on List and Its Correction
 | 10 | IMC 7.033.2.1.9List and Its Correction |
| 1. States that Effect of slack tanks
 | 1. Apply effect of slack tanks
 | 5 | IMC 7.033.2.1.10effect of slack tanks |
| 1. Explain Trimand draft calculation using trim table
 | 1. Apply Trim and draft calculation using trim table
 | 10 | IMC 7.033.2.1.11Trim and draft calculation |
| 1. States that to be taken in the event of partial Loss of intact buoyancy
 | 1. Action to be taken in the event of partial Loss of intact buoyancy
 | 5 | IMC 7.033.2.1.12partial Loss of intact buoyancy |
| 1. Explain Stress tables and stress calculating equipment (loadicator)
 | 1. Show of Stress tables and stress calculating equipment (loadicator)
 | 5 | IMC 7.033.2.1.13Stress tables and stress calculating equipment (loadicator) |
| JUMLAH JAM | 180 |  |  |