



Satuan Acara Pengajaran

PHK2602153 - Proses Industri

Pengajar

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Minggu 1

Materi

- Pendahuluan
- ? Penjelasan silabus
- ? Latar belakang mata ajaran
- ? Tujuan mata ajaran
- ? Dll

Media

Referensi

1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006

Aktivitas

Minggu 2

Materi

- Penjelasan umum konsep dasar teknologi proses K3 di industri
- ? Pengertian
- ? Tujuan dan manfaat
- ? Alur proses secara umum
- ? Penerapan K3 dalam tiap alur proses di industri

Media

- Referensi**
1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
 2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
 3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
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Aktivitas

Minggu 3

- Materi**
- Teknologi proses K3 di industri migas
 - ? Alur proses di industri migas
 - ? Bahaya dan resiko dalam tiap alur proses di industri migas
 - ? Penyebab timbulnya resiko dalam tiap alur proses di industri migas
 - ? Penerapan K3 dalam tiap alur proses di industri migas
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Media

- Referensi**
1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
 2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
 3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
 4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
 5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
 6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.
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Aktivitas

Minggu 4

- Materi**
- Studi Kasus di industri migas
 - Kasus yang terjadi di industri migas dikarenakan tidak diterapkannya K3 di semua alur proses industri.
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Media

- Referensi**
1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
 2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
 3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
 4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
 5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
 6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.
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Aktivitas

Minggu 5

- Materi**
- Teknologi proses K3 di industri pertambangan
 - ? Alur proses di industri pertambangan
 - ? Bahaya dan resiko dalam tiap alur proses di industri pertambangan
 - ? Penyebab timbulnya resiko dalam tiap alur proses di industri pertambangan
 - ? Penerapan K3 dalam tiap alur proses di industri pertambangan
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Media

- Referensi**
1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
 2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
 3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
 4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
 5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
 6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.
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Aktivitas

Minggu 6

- Materi**
- Studi Kasus di industri pertambangan
 - Kasus yang terjadi di industri pertambangan dikarenakan tidak diterapkannya K3 di semua alur proses industri.
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Media

- Referensi**
1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
 2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
 3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
 4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
 5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
 6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.
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Aktivitas

Minggu 7

- Materi**
- Teknologi proses K3 di industri konstruksi
 - ? Alur proses di industri konstruksi
 - ? Bahaya dan resiko dalam tiap alur proses di industri konstruksi
 - ? Penyebab timbulnya resiko dalam tiap alur proses di industri konstruksi
 - ? Penerapan K3 dalam tiap alur proses di industri konstruksi
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Media

- Referensi**
1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
 2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
 3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
 4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
 5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
 6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.
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Aktivitas

Minggu 8

Materi Studi Kasus di industri konstruksi
Kasus yang terjadi di industri konstruksi dikarenakan tidak diterapkannya K3 di semua alur proses industri.

Media

Referensi

1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.

Aktivitas

Minggu 9

Materi Ujian Tengah Semester Topik dari sesi 1 s/d sesi 8

Media

Referensi

Aktivitas

Minggu 10

Materi

- Teknologi proses K3 di industri kimia
- ? Alur proses di industri kimia
- ? Bahaya dan resiko dalam tiap alur proses di industri kimia
- ? Penyebab timbulnya resiko dalam tiap alur proses di industri kimia
- ? Penerapan K3 dalam tiap alur proses di industri kimia

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- Referensi**
1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
 2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
 3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
 4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
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 6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.
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Aktivitas

Minggu 11

Materi Studi Kasus di industri kimia
Kasus yang terjadi di industri kimia dikarenakan tidak diterapkannya K3 di semua alur proses industri.

Media

- Referensi**
1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
 2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
 3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
 4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
 5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
 6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.
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Aktivitas

Minggu 12

Materi Teknologi proses K3 di industri semen
? Alur proses di industri semen
? Bahaya dan resiko dalam tiap alur proses di industri semen
? Penyebab timbulnya resiko dalam tiap alur proses di industri semen
? Penerapan K3 dalam tiap alur proses di industri semen

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- Referensi**
1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
 2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
 3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
 4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
 5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
 6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993
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Aktivitas

Minggu 13

- Materi**
- Studi Kasus di industri semen
Kasus yang terjadi di industri semen dikarenakan tidak diterapkannya K3 di semua alur proses industri.
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Media

- Referensi**
1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
 2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
 3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
 4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
 5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
 6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.
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Aktivitas

Minggu 14

Materi Teknologi proses K3 di industri otomotif
? Alur proses di industri otomotif
? Bahaya dan resiko dalam tiap alur proses di industri otomotif
? Penyebab timbulnya resiko dalam tiap alur proses di industri otomotif
? Penerapan K3 dalam tiap alur proses di industri otomotif

Media

Referensi 1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.

Aktivitas

Minggu 15

Materi Studi Kasus di industri otomotif
Kasus yang terjadi di industri otomotif dikarenakan tidak diterapkannya K3 di semua alur proses industri.

Media

Referensi 1. Center for Chemical Process Safety, Guidelines for Process Safety Documentation, American Institute of Chemical Engineers, New York, 1998.
2. Deshmukh, L.M., Industrial Safety Management; Hazard Identification and risk control, Tata Mc-Graw Hill, New Delhi, 2006
3. Covan James, Safety Engineering, John Wiley & Sons Inc, New York, 1995
4. Bahr, Nicholas Jr., System Safety Engineering and Risk Assessment, A Practical Approach, Taylor & Francis, USA, 1997
5. Hunter Thomas A, Engineering Design For Safety, Mc?Graw - Hill Inc., New York, 1992
6. Mansdorf, SW. Z., Complete Manual of Industrial Safety, Prentice Hall, New Jersey, 1993.

Aktivitas

Minggu 16

Materi Kunjungan Lapangan

Media

Referensi

Aktivitas ? Mahasiswa mendatangi suatu lingkungan kerja industri untuk melihat, mendeteksi bahaya dan resiko dari tiap alur prosesnya
? Mahasiswa menjelaskan penerapan K3 dalam tiap alur proses industri

Minggu 17

Materi Ujian Akhir Semester Topik dari sesi 10 s/d sesi 15

Media

Referensi

Aktivitas
