



# Satuan Acara Pengajaran

MMK8210852 - Korosi Lanjut

Pengajar

*Dr. Ir. Rini Riastuti M.Sc.*

## Minggu 1

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**Materi**      Pendahuluan  
Review Prinsip Korosi

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**Media**

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**Referensi**    John M West, Basic Corrosion And Oxidation, John Wiley&Sons

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**Aktivitas**

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## Minggu 2

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**Materi**      Review , klasifikasi material, definisi Korosi, Media Korosi, Jenis2 Korosi secara umum

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**Media**

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**Referensi**    1. John West, Basic Corrosion And Oxidation  
2. Michael Schutze, Corrosion And Environmental Degradation vol 1,2

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**Aktivitas**

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## Minggu 3

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**Materi**      Aqueous Corrosion

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**Media**

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- Referensi**
1. Marcus P, Corrosion Mechanisms in Theory And Practice
  2. Michael Schutze, Corrosion and Environment Degradation, vol 2
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**Aktivitas**

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Minggu 4

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**Materi** passivity of metals and Alloys

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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 5

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**Materi** Localized Corrosion

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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 6

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**Materi** Environmental Sensitive Fracture

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**Media**

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**Referensi** michael Schutze, Corrosion and Environmental Degradation, vol 1

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**Aktivitas**

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Minggu 7

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**Materi** corrosion of Process Fluids

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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 8

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**Materi**      Degradation of Materials

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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 9

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**Materi**      Mid Test

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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 10

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**Materi**      Microbial Corrosion

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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 11

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**Materi**      High Temperature Oxidation

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**Media**

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**Referensi**

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**Aktivitas**

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## Minggu 12

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**Materi** analisa korosi 1

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**Media**

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**Referensi**

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**Aktivitas** presentasi mahasiswa

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## Minggu 13

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**Materi** analisa korosi 2

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**Media**

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**Referensi**

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**Aktivitas** presentasi

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## Minggu 14

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**Materi** analisa korosi 3

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**Media**

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**Referensi**

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**Aktivitas** presentasi

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## Minggu 15

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**Materi** review

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**Media**

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**Referensi**

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**Aktivitas**

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## Minggu 16

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**Materi**      Final Exam

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**Media**

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**Referensi**

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**Aktivitas**

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