



# Satuan Acara Pengajaran

MMK8210852 - Korosi Lanjut

Pengajar

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

## Minggu 1

---

**Materi**      Pendahuluan  
Review Prinsip Korosi

---

**Media**

---

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

---

**Aktivitas**

---

## Minggu 2

---

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

---

**Media**

---

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

---

**Aktivitas**

---

## Minggu 3

---

**Materi**      Aqueous Corrosion

---

**Media**

---

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

**Aktivitas**

---

Minggu 4

---

**Materi** passivity of metals and Alloys

---

**Media**

---

**Referensi**

---

**Aktivitas**

---

Minggu 5

---

**Materi** Localized Corrosion

---

**Media**

---

**Referensi**

---

**Aktivitas**

---

Minggu 6

---

**Materi** Environmental Sensitive Fracture

---

**Media**

---

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

---

**Aktivitas**

---

Minggu 7

---

**Materi** corrosion of Process Fluids

---

**Media**

---

**Referensi**

---

**Aktivitas**

---

Minggu 8

---

**Materi**      Degradation of Materials

---

**Media**

---

**Referensi**

---

**Aktivitas**

---

Minggu 9

---

**Materi**      Mid Test

---

**Media**

---

**Referensi**

---

**Aktivitas**

---

Minggu 10

---

**Materi**      Microbial Corrosion

---

**Media**

---

**Referensi**

---

**Aktivitas**

---

Minggu 11

---

**Materi**      High Temperature Oxidation

---

**Media**

---

**Referensi**

---

**Aktivitas**

---

## Minggu 12

---

**Materi** analisa korosi 1

---

**Media**

---

**Referensi**

---

**Aktivitas** presentasi mahasiswa

---

## Minggu 13

---

**Materi** analisa korosi 2

---

**Media**

---

**Referensi**

---

**Aktivitas** presentasi

---

## Minggu 14

---

**Materi** analisa korosi 3

---

**Media**

---

**Referensi**

---

**Aktivitas** presentasi

---

## Minggu 15

---

**Materi** review

---

**Media**

---

**Referensi**

---

**Aktivitas**

---

## Minggu 16

---

**Materi**      Final Exam

---

**Media**

---

**Referensi**

---

**Aktivitas**

---