

LEARNING DOCUMENTATION

ORGANIC CHEMISTRY COURSE

A. E-LOK UGM Platform

The screenshot displays the eLOK UGM platform interface. The browser address bar shows the URL `elok.ugm.ac.id/course/view.php?id=3044`. The user is logged in as CAROLINA SAMADHI. The navigation menu includes Admission, Research, News, and Help Desk. The eLOK logo is prominently displayed with the tagline "e-Learning: Open for Knowledge Sharing". The main content area is titled "Dashboard > My courses > KO Teknik Kimia".

Administration

- Course administration
 - Unenrol me from KO Teknik Kimia

Navigation

- Dashboard
- Site home
- Site pages
- My courses
 - KO Teknik Kimia**
 - Participants
 - Badges
 - Competencies
 - Grades

Announcements

Pengantar

Topik ini mengulas silabus, penilaian, latar belakang, relevansi matakuliah dengan profesi teknik kimia, dan cara belajar dengan memanfaatkan referensi yang direkomendasikan.

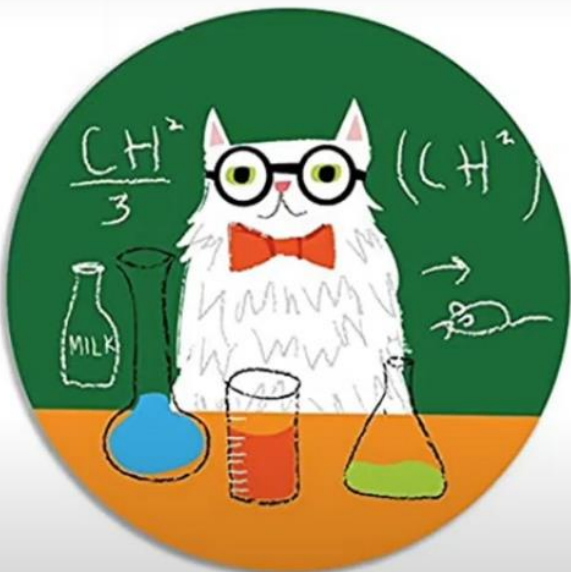
- Pengantar KO Paruh Pertama (KO B)**
File ini berisi panduan untuk sukses menjalani pembelajaran dalam Kelas Kimia Organik (Departemen Teknik Kimia FT UGM).
- Pengantar Kimia Organik kelas A paruh pertama (KO A)**
Pengantar, penjelasan LO dan PO, grading dan policy, dan references
- Video Pengantar Kimia Organik**
Memberikan gambaran kepada mahasiswa tentang relevansi ilmu kimia organik dengan kompetensi sebagai chemical engineers.

Activate Windows
Go to Settings to activate Windows.

16:31
31/12/2021

B. Video Lesson

TKK1112 Kimia Organik - Mekanisme Reaksi Ionik



- *CHEMIE CAT'S NOTE*

Mekanisme Reaksi Substitusi (Bagian 1)

Chemie Cat
(Sobatnya **Schrödinger's cat**)

Referensi:
Chapter 6
Solomon's Organic Chemistry

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Scroll for details

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C. Power Point/ Materials

TKK1112 Kimia Organik - Re

youtube.com/watch?v=iYroE2RC6EQ&list=PLI0IHxOgnrHpVV5nKxpVUO-UdmI8acvq9&index=5

Telusuri

UNIVERSITAS GADJAH MADA

Review Teori Ikatan Lewis

Materi diambil dari Solomons, T.W.G. and Fryhle, C.B., "Organic Chemistry", John Wiley and Sons, New Jersey

LOCALLY ROOTED. GLOBALLY RESPECTED

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TKK1112 Kimia Organik
Department of Chemical Engineering UGM - 4 / 28

- 1 TKK1112 Kimia Organik - Pengantar
Department of Chemical Engineeri...
29.27
- 2 TKK1112 Kimia Organik - Materi dan Peta Textbook
Department of Chemical Engineeri...
10.31
- 3 TKK1112 Kimia Organik - Review Atom
Department of Chemical Engineeri...
12.26
- TKK1112 Kimia Organik - Review Teori Ikatan Lewis
Department of Chemical Engineeri...
32.37
- 5 Video 1 Radikal Bebas - Apa sih radikal bebas itu?
Department of Chemical Engineeri...
20.14

TKK1112 Kimia Organik - Review Teori Ikatan Lewis

1.274 x ditonton • 14 Sep 2020

19 TIDAK SUKA BAGIKAN SIMPAN

IND 22:29
US 30/12/2021

3 - Teori orbital molekuler dan sifat-sifat molekul - Foxit PDF Reader

File Home Comment View Form Protect Share Help Tell me...

Hand Select Snapshot Clipboard Zoom Page Fit Reflow Rotate Typewriter Highlight Link Bookmark File Attachment Image Annotation Audio & Video Fill & Sign

Start 3 - Teori orbital molekul... x eSign PDF Docs

UNIVERSITAS GADJAH MADA

Keasaman molekul organik


Sifat-sifat molekul

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Mengapa belajar asam basa?

- Banyak reaksi kimia organik merupakan reaksi asam-basa atau paling tidak melibatkan asam-basa pada beberapa tahapnya
- Asam-basa merupakan hal fundamental untuk memahami mekanisme reaksi seperti proses pemecahan atau penggabungan ikatan



The color of hydrangea flowers depends, in part, on the relative acidity of their soil.



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Definisi Asam-Basa 1: Teori Brønsted-Lowry

- Asam : donor proton (ion H^+)
- Basa : akseptor proton

Menggunakan curved arrow:

Ilustrasi untuk reaksi HCl dan H_2O

$$H_2O + HCl \longrightarrow H_3O^+ + Cl^-$$

2 / 43 54.83%

IND 22:31
US 30/12/2021

What to expect



[A MECHANISM FOR THE REACTION - The stereochemistry of an S_N2 reaction]

The reaction of Me-I with OH^- proceeds via a concerted S_N2 mechanism, and also via a concerted S_N2 mechanism.

Reaction coordinate diagram showing a single energy barrier. The y-axis is labeled 'Potential energy' and the x-axis is 'Reaction coordinate'. The curve starts at a reactant energy level, rises to a single peak representing the transition state, and then falls to a lower product energy level.

Handwritten notes in red ink:

- Me-I is primary OH^- is a strong nucleophile & base.
- Me-I is a good leaving group.
- Me-I is a good leaving group.
- OH^- is a good nucleophile $\Delta G^\ddagger \approx +45 \text{ kJ mol}^{-1}$
- Reaction is exothermic $\Delta G^\circ \approx -30 \text{ kJ mol}^{-1}$

Navigation bar for the presentation with icons for back, forward, home, and search.

Zoom meeting interface showing participant avatars and a Windows taskbar at the bottom with system tray icons.

D. Learning Documentation

