



# Satuan Acara Pengajaran

ECEU606200 - Ekonomi Sumber Daya Alam dan Lingkungan

Pengajar

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## Minggu 1

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**Materi** Pengantar: Perspektif ekonomi dalam manajemen sumber daya alam dan lingkungan  
a. Sistem ekonomi sebagai bagian dari sistem ekologi (ekosistem)  
b. Klasifikasi sumber daya alam  
c. Kelangkaan sumber daya  
d. Permasalahan lingkungan  
e. Kegagalan pasar (ekstern)

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**Media** Whiteboard, Computer and Infocus

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**Referensi** 1. Tietenberg, Tom dan Lynne Lewis. 2009. Environmental and Natural Resource Economics, 9th ed. Boston: Pearson Education Inc. [TT]  
  
TT1: Visions of the future  
TT2: Property rights, externalities, and environmental problems  
TT4: Valuing the environment: c

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**Aktivitas** Lecturing and Discussion

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## Minggu 2

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**Materi** Pasar dan efisiensi  
a. Kegagalan pasar dalam alokasi sumber daya dan manajemen lingkungan (eksternalitas, barang publik, the tragedy of the commons)  
b. Alokasi statis dan dinamis

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**Media** Whiteboard, Computer and Infocus

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**Referensi** TT5: Dynamic efficiency and sustainable development  
KO4: Competitive market equilibrium  
KO5: Market failures in environmental realm

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**Aktivitas** Lecturing and Discussion

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### Minggu 3

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**Materi** Sumber daya tak terbarukan  
a. Taksonomi sumber daya  
b. Alokasi efisien antar waktu  
c. Peranan property rights dalam alokasi sumber daya

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**Media** Whiteboard, Computer and Infocus

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**Referensi** TT6: Depletable resource allocation  
KO6: Managing stocks: Natural resource as capital assets

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**Aktivitas** Lecturing and Discussion

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### Minggu 4

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**Materi** Air dan Lahan  
a. Kelangkaan air dan lahan  
b. Alokasi pasar akan air dan lahan  
c. Beberapa tipe sistem alokasi air yang berlaku  
d. Penyebab, dampak dan penanggulangan masalah konversi lahan

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**Media** Whiteboard, Computer and Infocus

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**Referensi** TT9: Replenishable but depletable resources: Water  
TT10: A locationally fixed, multipurpose resource: Land  
KO10: Market-based instruments in practice (Municipal water pricing; water quality trading; habitat and land management)

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**Aktivitas** Lecturing and Discussion

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### Minggu 5

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**Materi** Sumber daya terbarukan  
a. Model bioekonomi hutan dan ikan  
b. Sumber ketidakefisienan dalam alokasi hutan dan ikan

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**Media** Whiteboard, Computer and Infocus

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**Referensi** TT12: Storable, renewable resources: Forest  
TT13: CPR: Fisheries  
KO7: Stocks that grow: The economics of renewable resource management

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**Aktivitas** Lecturing and Discussion

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## Minggu 6

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**Materi** Ekonomi energi  
a. Pasar minyak, gas bumi dan batu bara  
b. Bahan bakar fosil dan ketahanan nasional  
c. Transisi menuju sumber daya alternatif

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**Media** Whiteboard, Computer and Infocus

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**Referensi** TT7: Energy: The transition from depletable to renewable resources

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**Aktivitas** Lecturing and Discussion

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## Minggu 7

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**Materi** Nonton Bareng Film Dokumenter Lingkungan

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**Media** Whiteboard, Computer and Infocus

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**Referensi**

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**Aktivitas** Watching Movie and Discussion

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## Minggu 8

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**Materi** Pertanian berkelanjutan (sustainable agriculture)  
a. Threats to sustainable agriculture  
- Expanding deserts  
- Shrinking forests  
- Competing for water  
- Displaced by biofuels  
- Genetically modified crops  
- Unknown risks  
- Climate change  
- The impact on f

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**Media** Whiteboard, Computer and Infocus

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**Referensi** ESCAP3: Threats to sustainable agriculture  
B&B4: Food markets and polarization  
ESCAP2: The roots of food insecurity and price shocks

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**Aktivitas** Lecturing and Discussion

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## Minggu 9

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**Materi** Analisis biaya manfaat dan valuasi lingkungan  
a. Jenis/tipologi barang dan jasa lingkungan, serta kontribusinya dalam sistem ekonomi (produksi dan konsumsi)  
b. Tipe nilai lingkungan  
c. Teknik valuasi lingkungan  
d. Menggunakan nilai lingkungan dalam anali

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**Media** Whiteboard, Computer and Infocus

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**Referensi** TT3: Evaluating trade-offs: Benefit-cost analysis and other decision making metrics  
TT4: Valuing the environment: Methods  
KO3: The benefits and cost of environmental protection  
Newcome, J., A. Provins, H. Johns, E. Ozdemiroglu, J. Ghazul, D. Burgess, K. T

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**Aktivitas** Lecturing and Discussion

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## Minggu 10

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**Materi** Instrumen pengendalian polusi  
a. Sumber dan tipe polusi  
b. Tingkat polusi optimal  
c. Internalisasi dampak lingkungan  
d. Instrumen pengendalian polusi  
i. Coase theorem  
ii. Command and control  
iii. Market-based instruments

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**Media** Whiteboard, Computer and Infocus

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**Referensi** TT14: Economics of pollution control: An overview  
KO8: Principles of market-based environmental policy

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**Aktivitas** Lecturing and Discussion

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## Minggu 11

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**Materi** Penganggaran Hijau: Konsep dan Aplikasi  
a. Penganggaran Hijau: Suatu Pengantar  
b. Instrumen Penganggaran Hijau  
c. Penganggaran Hijau di Indonesia  
d. Isu Anggaran Hijau

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**Media** Whiteboard, Computer and Infocus

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**Referensi** BKFI: Vision and Objectives, Programme Priorities, Policy Instruments  
OECD4: Budget Planning and Management Practices  
BKFI: 2015 GPB Update Report, Follow Up and Next  
www.greenbudgeting.org

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**Aktivitas** Lecturing and Discussion

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## Minggu 12

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**Materi** Pembangunan berkelanjutan 1 (Konsep dan Indikator):  
a. Konsep dan definisi  
b. Weak and strong sustainability  
c. Indikator  
i. PDB Hijau  
ii. Genuine savings  
iii. Natural capital accounting  
iv. Natural carbon accounting - Carbon footprint

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**Media** Whiteboard, Computer and Infocus

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**Referensi** TT20: The quest for sustainable development  
KO11: Sustainability and economic growth

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**Aktivitas** Lecturing and Discussion

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## Minggu 13

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**Materi** Pembangunan Berkelanjutan II (Perubahan Iklim dan Isu Lainnya)  
a. Perubahan Iklim  
i. Penyebab dan dampak perubahan iklim  
ii. Perubahan iklim sebagai eksternalitas global  
iii. Kebijakan adaptasi dan mitigasi terhadap perubahan iklim (tingkat global sampai

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**Media** Whiteboard, Computer and Infocus

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**Referensi** TT16: Climate Change  
TT20: The quest for sustainable development  
TT21: Population and development

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**Aktivitas** Lecturing and Discussion

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## Minggu 14

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**Materi** Review

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**Media** Whiteboard, Computer and Infocus

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**Referensi**

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**Aktivitas** Lecturing and Discussion

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