



Satuan Acara Pengajaran

ECEU606200 - Ekonomi Sumber Daya Alam dan Lingkungan

Pengajar

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Minggu 1

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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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

Aktivitas Lecturing and Discussion

Minggu 2

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

Aktivitas Lecturing and Discussion

Minggu 3

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

Aktivitas Lecturing and Discussion

Minggu 4

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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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)

Aktivitas Lecturing and Discussion

Minggu 5

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

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

Aktivitas Lecturing and Discussion

Minggu 6

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

Aktivitas Lecturing and Discussion

Minggu 7

Materi Nonton Bareng Film Dokumenter Lingkungan

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Referensi

Aktivitas Watching Movie and Discussion

Minggu 8

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

Aktivitas Lecturing and Discussion

Minggu 9

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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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

Aktivitas Lecturing and Discussion

Minggu 10

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

Aktivitas Lecturing and Discussion

Minggu 11

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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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

Aktivitas Lecturing and Discussion

Minggu 12

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

Aktivitas Lecturing and Discussion

Minggu 13

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

Aktivitas Lecturing and Discussion

Minggu 14

Materi Review

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Referensi

Aktivitas Lecturing and Discussion
