



ENGINEERING ECONOMICS

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1. Application of engineering or mathematical analysis and synthesis to decision making in economics. 2. The knowledge and techniques concerned with evaluating the worth of commodities and services relative to their cost. 3. Analysis of the economics of engineering alternatives. engineering economy. (McGraw-Hill Dictionary of Scientific & Technical Terms, 2003)

“Ekonomi Teknik (yang sering juga disebut analisa biaya teknik atau analisa keputusan ekonomi) adalah disiplin ilmu yang ditujukan untuk menganalisis aspek-aspek ekonomi dari usulan investasi atau proyek yang bersifat teknis. Proyek atau investasi yang dimaksud disini bisa diartikan sangat luas, bisa berupa sebuah produk, sebuah alat, sebuah gedung, sebuah jalan, sebuah industri, bahkan sebuah kawasan industri sekalipun. Pada buku ini akan dibahas konsep-konsep dan teknik-teknik analisis atau proyek yang bersifat teknis atas dasar ukuran hasil maupun ongkos dari usulan proyek atau investasi tersebut.” (Pujawan, 1995)

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Books

Jacobs, F R., and Richard B. Chase. Operations and Supply Chain Management. McGraw-Hill, 2014.
Call Number: 658.5 JAC o
ISBN: 978-0-07-715162-1
Lokasi: The Johannes Oentoro Library, 3rd Floor.

Park, Chan S. Fundamentals of Engineering Economics. Pearson Education, 2009.
Call Number: 658.155 PAR f
ISBN: 978-0-13-135457-9
Lokasi: The Johannes Oentoro Library, 3rd Floor.

Raharjo, Ferianto. Ekonomi Teknik : Analisis Pengambilan Keputusan. Penerbit Andi, 2007.
Call Number: 658.4036 RAH e
ISBN: 978-9-792-90046-0
Lokasi: Johannes Oentoro Library - 2nd Floor

E-Books

Ali, M. H. (2013). Principles and Practices of Engineering and Industrial Economics. Nova Science Publishers, Inc.

Keywords

Broader Term
Industrial Engineering

Narrower Term
Cost Effectiveness

Related Term
Value Analysis
Linear Programming
Capital Budgeting

Catalog
opac.uph.edu

E-Journals

Zhu, W., Marquez, A., & Yoo, J. (2015). "[Engineering Economics Jeopardy!](#)" [Mobile App for University Students](#). *Engineering Economist*, 60(4), 291–306.

Hill, T. (2006). [Economics of Engineering: A New Fabric from Some Old Threads](#). *Engineering Economist*, 51(4), 347–359. <https://doi.org/10.1080/00137910600987602>

Amos, S. J. (2001). [Engineering Economics](#). *AACE International Transactions*, 1.

Dahm, K. (2003). [Interactive Simulation for Teaching Engineering Economics](#). *Journal of STEM Education: Innovations & Research*, 4(3/4), 1–4.

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Badan Kerjasama Penyelenggara Pendidikan Tinggi Teknik Industri Indonesia. (2019). [Kurikulum Inti Program Sarjana Teknik Industri](#) [PDF].

Articles

Peter the Great St. Petersburg Polytechnic University. (2022). [Sustainable Development and Engineering Economics \(2nd ed.\)](#) [PDF].

Peter the Great St. Petersburg Polytechnic University. (2022). [Sustainable Development and Engineering Economics \(1st ed.\)](#) [PDF].

Youtube Videos

[What is Industrial Engineering?](#) (2019, August 27). [Video].

References

McGraw-Hill Dictionary of Scientific & Technical Terms, 6E. (2003)

Pujawan, I N. Ekonomi Teknik. Guna Widya, 1995.