



POLITEKNIK ELEKTRONIKA NEGERI SURABAYA



DIKTISAINTEK
BERDAMPAK

KAMPUS
INOVASI

Materi Pendahuluan Konsep Teknologi



Mochammad Zen Samsono Hadi



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Materi Konsep Teknologi

- Materi 1: Pengenalan materi
- Materi 2: Apa itu teknologi?
- Materi 3: Permulaan teknologi
- Materi 4: Evolusi teknologi
- Materi 5: Teknologi sebagai system
- Materi 6: Teknologi Internet dan Komunikasi
- Materi 7: Elektronika, IoT, dll
- Materi 8: Data, AI, dan Kecerdasan Mesin



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Materi Konsep Teknologi

- Materi 9: Teknologi Industri 4.0 & Society 5.0
- Materi 10: Teknologi dan dampaknya
- Materi 11: Inovasi dan Technopreneurship
- Materi 12: Teknologi masa depan



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Penilaian

- Penilaian terdiri dari 3 bagian:
 - ETS:30%
 - UAS:40%
 - TUGAS dan PROYEK:30%
- Toleransi Keterlambatan 10 menit
- Semua materi bisa di download di lecturer.



Referensi

- Leon Couch, “Digital & Analog Communication Systems 8th Edition”, Pearson; 8th edition, 2012
- Bernard Sklar and Fredric Harris, “Digital Communications: Fundamentals and Applications” Pearson; 3rd edition, 2020
- Garry A. Garrard , “Cellular Communications: Worldwide Market Development”, Artech House Mobile Communications), 1997
- Dept. of Higher Education and Training, :NASCA ICT: Curriculum Statement”, Republic of South Africa, 2018
- Zolesi Bruno, Cander R Ljiljana, Ionospheric Prediction and Forecasting, Springer Geophysics, p.44, p.185, 2014.
- Ghasemi Abdolla, Abedi Ali, Farshid Ghasemi, Propagation Engineering in Wireless Communication, Springer, p.153-168, 2012.