



REKAP PRESENSI MATAKULIAH  
SEMESTER : Genap 2022/2023

Kode Matakuliah : 212240320  
Matakuliah : Elektronika Analog  
Kelas : A  
Program Studi : Teknik Elektro  
Dosen Pengampu : Tole Sutikno, S.T., M.T., Ph.D.; Arsyad Cahya Subrata, S.T., M.T.  
Jumlah Peserta : 32  
Jumlah Pertemuan : 16

No.	Tanggal	Topik atau Materi	Jumlah Mahasiswa Hadir	Dosen Hadir
1	14 Maret 2023	Overview Sistem Analog	31	Arsyad Cahya Subrata, S.T., M.T.
2	21 Maret 2023	RLC	29	Arsyad Cahya Subrata, S.T., M.T.
3	28 Maret 2023	Ujian Kompetensi 1	24	Arsyad Cahya Subrata, S.T., M.T.
4	04 April 2023	Dioda	32	Arsyad Cahya Subrata, S.T., M.T.
5	09 Mei 2023	Transistor	31	Arsyad Cahya Subrata, S.T., M.T.
6	09 Mei 2023	Op-Amp	31	Arsyad Cahya Subrata, S.T., M.T.
7	09 Mei 2023	Simulasi Op-Amp	31	Arsyad Cahya Subrata, S.T., M.T.
8	22 Mei 2023	Ujian Tengah Semester (UTS)	31	Arsyad Cahya Subrata, S.T., M.T.

9	30 Mei 2023	OP-Amp (Operational Amplifiers). Jurus/kunci sakti-nya: 1. Arus yg masuk ke kedua kaki input Op-Amp sama dengan NOL, dan 2. Tegangan pada kedua kaki input Op-Amp sama dengan NOL. Ini adalah sebuah aproksimasi (pendekatan) dalam kalkulasi rangkaian dengan Op-Amp.	25	Tole Sutikno, S.T., M.T., Ph.D.
10	06 Juni 2023	Peredam derau	32	Arsyad Cahya Subrata, S.T., M.T.

11	06 Juni 2023	<p>ELEKTRONIKA ANALOG Selasa, 6 Juni 2023 - Penugasan dilakukan kelompok 2 mahasiswa - Silakan download, full artikel dari link yang disediakan menggunakan Sci Hub (<a href="https://sci-hub.se">https://sci-hub.se</a>, <a href="https://sci-hub.ru">https://sci-hub.ru</a>, dll) - Silakan pelajari aplikasi OP-Amp pada artikel tersebut. Gunakan kaidah/jurus yang diberikan sebelumnya bahwa: 1. Arus yg masuk ke kedua kaki input Op-Amp sama dengan NOL, dan 2. Tegangan pada kedua kaki input Op-Amp sama dengan NOL. - Siapkan draft presentasi - Di akhir jam kuliah, sekurangnya kumpulkan: 1. Full artikel yang sudah di-download, dan 2. Draft awal naskah presentasi. Link akan difokan kemudian ----- 2000022050 AFIF BAYU TRI LAKSONO 2100022001 FIQIH MAULANA G. Qiu, L. Ran, H. Feng, H. Jiang, H. Mao and J. Wei, "A High-Precision Sensor Based on AC Flux Cancellation for DC Bias Detection in Dual Active Bridge Converters," in IEEE Transactions on Power Electronics, vol. 37, no. 11, pp. 13513-13524, Nov. 2022. doi: 10.1109/TPEL.2022.3186550 2100022002 FENDI KURNIAWAN 2100022005 SITI FATONAH G. Naresh Sagar, B. Anil Kumar and G. V. Subba Reddy, "High Gain and Stable Class AB-AB Miller Op-Amp for Large Capacitive Loads Ranging From 15pF," 2021 5th International Conference on Trends in Electronics and Informatics (ICOEI), Tirunelveli, India, 2021, pp. 19-25. doi: 10.1109/ICOEI51242.2021.9453033 2100022008 MUHAMMAD AIDIL 2100022011 DILLA PUSPA ANGGRAENI NURVIANSYAH J. B. Chinchore and R. A. Thakker, "Design of low dropout regulator using artificial bee colony evolutionary algorithm," 2015 International Conference on Circuits, Power and Computing Technologies [ICCPCT-2015], Nagercoil, India, 2015, pp. 1-8. doi: 10.1109/ICCPCT.2015.7159280 2100022012 MUHAMMAD RIZKI ANUGERAH 2100022013 REGINA OLIVIA FITRI ARDANA N. Prokopenko, A. Titov, V. Chumakov and A. Bugakova, "The Circuit Technique for Reducing the Zero Level of the JFET Op-Amp on the Push-Pull Folded-Cascode," 2022 IEEE International Multi-Conference on Engineering, Computer and Information Sciences (SIBIRCON), Yekaterinburg, Russian Federation, 2022, pp. 1310-1313. doi: 10.1109/SIBIRCON56155.2022.10016948 2100022014 IPUL RAMADHOAN 2100022016 NOVZIE WINSENDANI N. Hammler and B. Murmann, "Distortion Analysis of SRC\$ Integrators With Wideband Input Signals," in IEEE Transactions on Circuits and Systems I: Regular Papers, vol. 67, no. 1, pp. 12-22, Jan. 2020. doi: 10.1109/TCSI.2019.2946974 2100022019 MUHAMMAD FADILLAH AKBAR 2100022020 MOCH. FARIQ FIRDAUS N. A. Wibowo, H. Sabarman and E. Suharyadi, "A New Platform of Iron Oxide-Based Nanoparticles Assay Using GMR Chip-Based Sensor With Microcontroller," in IEEE Sensors Journal, vol. 22, no. 21, pp. 20093-20101, 1 Nov.1, 2022. doi: 10.1109/JSEN.2022.3207213 2100022021 DANAR AJI WIDHAYAKA 2100022022 MOCHAMMAD RAFI FAZRY V. Venugopal Rao and I. Savidis, "Performance and Security Analysis of Parameter-Obfuscated Analog Circuits," in IEEE Transactions on Very Large Scale Integration (VLSI) Systems, vol. 29, no. 12, pp. 2013-2026, Dec. 2021. doi: 10.1109/TVLSI.2021.3109062 2100022023 NAIL M. ZAIN ADINLY SARAGIH 2100022025 MUHAMMAD ZUBET BATI SUSANTO P. Lall, J. Narangaparambil and S. Miller, "Influence of Component Interconnect with Printed Copper Circuits on Realized Mechanical and Electrical Characteristics in FHE Applications," 2022 21st IEEE Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems (iTherm), San Diego, CA, USA, 2022, pp. 1-10. doi: 10.1109/iTherm54085.2022.9899508 2100022027 KHOLIS FU'AD 2100022030 EDY FITRIYANTO P. Anand and B. Bhuvan, "An alternate, discrete-time approach to the analysis of continuous-time negative feedback systems," TENCON 2019 - 2019 IEEE Region 10 Conference (TENCON), Kochi, India, 2019, pp. 2194-2198. doi: 10.1109/TENCON.2019.8929536 2100022031 AN NISA AULIYA RAHMA SANTI 2100022032 SONY FERDIANSYAH PUTRA F. N. Mokogwu, A. Ng, A. Marzuki and I. Ukaegbu, "Variable Input Transimpedance Amplifier for Perovskite and Thin-film Photovoltaics Sensing Applications," 2022 International Conference on Communications, Information, Electronic and Energy Systems (CIEES), Veliko Tarnovo, Bulgaria, 2022, pp. 1-4. doi: 10.1109/CIEES55704.2022.9990853 2100022033 DEAYNO SYAHNIE DATOE PRADJA 2100022034 AFIF KHABIBURROHMAN A. Van den Bossche, S. Haddad, D. Petrov and V. Valchev, "Mosfets used in ideal diode circuits for Lundell alternator rectifiers," 2018 Thirteenth International Conference on Ecological Vehicles and Renewable Energies (EVER), Monte Carlo, Monaco, 2018, pp. 1-5. doi: 10.1109/EVER.2018.8362385 2100022036 ADITYA ELING SABARNO 2100022037 FAHRUL RUSHA ABDULLAH A. B. S. Umbu and Endarko, "The design of voltage controlled current source (VCCS) for single frequency electrical impedance tomography (EIT)," 2017 International Seminar on Sensors, Instrumentation, Measurement and Metrology (ISSIMM), Surabaya, Indonesia, 2017, pp. 30-36. doi: 10.1109/ISSIMM.2017.8124256 2100022038 NANDA FEBRIANSYAH 2100022042 ARIPSA TRI RAMDANI L. Ming, Z. Xin, C. Yin, M. Chen and P. C. Loh, "Integrator Design of the Rogowski Current Sensor for Detecting Fast Switch Current of SiC Devices," 2019 IEEE Energy Conversion Congress and Exposition (ECCE), Baltimore, MD, USA, 2019, pp. 4551-4557. doi: 10.1109/ECCE.2019.8911874 2100022043 ZACKY INSANKERTI 2100022045 MUHAMMAD RIZQI NUGROHO P. S. Kumar,</p>	31 Tole Sutikno, S.T., M.T., Ph.D.
----	--------------	---	---------------------------------------

12	13 Juni 2023	Pengkondisi sinyal: 1. Perkalian/Pembagian (Multiplication/Division) 2. Penjumlahan/Pengurangan (Addition/Subtraction) 3. Nilai mutlak (Absolute Value) 4. Natural Log 5. Filters	31	Tole Sutikno, S.T., M.T., Ph.D.
13	26 Juni 2023	Rangkaian Op Amp	32	Arsyad Cahya Subrata, S.T., M.T.
14	04 Juli 2023	Rangkaian Op Amp #2	32	Arsyad Cahya Subrata, S.T., M.T.
15	11 Juli 2023	Rangkaian Op Amp #3	32	Arsyad Cahya Subrata, S.T., M.T.
16	31 Juli 2023	Ujian Akhir Semester (UAS)	31	Arsyad Cahya Subrata, S.T., M.T.

Rekap presensi matakuliah ini adalah hasil rekap yang sah dan bersumber dari Sistem Informasi Akademik Universitas Ahmad Dahlan.