

## DAFTAR PUSTAKA

- [1] A. I. Muslim, “Filter Analog Dan Aplikasi Filter Analog”.
- [2] S. Wahyuni, “Perkembangan Telekomunikasi,” *Artikel*, 2016.
- [3] D. Rivas, L. Morán, J. W. Dixon, and J. R. Espinoza, “Improving passive filter compensation performance with active techniques,” *IEEE Transactions on Industrial Electronics*, vol. 50, no. 1, pp. 161–170, Feb. 2003, doi: 10.1109/TIE.2002.807658.
- [4] I. Winder and Steve, *Analog and digital filter design*. USA: Elsevier Science, 2002.
- [5] Dixon R. Doll, “Multiplexing and Concentration,” *PROCEEDINGS OF THE IEEE*, vol. 60, no. 11, Nov. 1972.
- [6] Stephen B. Weinstein, “The history of OFDM,” *IEEE Communications Magazine*, Nov. 2009.
- [7] Mischa Schwartz, “History of Communication,” *IEEE Communication Magazine*, Nov. 2009.
- [8] Abdul Hussein Abdul Zehra Abd, “Design and simulation of 4th order active band- pass filter using multiple feed back and Sallen-key topologies,” *Journal of Babylon University Engineering Science*, 2014, Accessed: Nov. 20, 2023. [Online]. Available: [https://www.researchgate.net/publication/338571208\\_Design\\_and\\_simulation\\_of\\_4\\_th\\_order\\_active\\_band-pass\\_filter\\_using\\_multiple\\_feed\\_back\\_and\\_Sallen-key\\_topologies](https://www.researchgate.net/publication/338571208_Design_and_simulation_of_4_th_order_active_band-pass_filter_using_multiple_feed_back_and_Sallen-key_topologies)
- [9] C. A. Olman, “What multiplexing means for the interpretation of functional MRI data,” *Front Hum Neurosci*, vol. 17, 2023, doi: 10.3389/fnhum.2023.1134811.
- [10] DADANG, “Desain Dan Pengujian Schale Chenger, Adder, Dan Differensiator Dengan Op-Amp,” Sleman, Yogyakarta, 2011.
- [11] S. Fuada and A. Widhi Wibowo, “Desain dan Implementasi Virtual Laboratory Materi Osilator Analog berbasis IC OP-AMP,” vol. 4, no. 2, pp. 134–147, 2016.
- [12] Oyebola Blessed Olalekan and Odueso Victor Toluwani, “Sallen-Key Topology, MFB and Butterworth in Bandpass Design for Audio Circuit Design ,” *Asian Journal of Electrical Sciences* , vol. 6, 2017, Accessed: Nov. 20, 2023. [Online]. Available: [https://www.researchgate.net/publication/329781826\\_Sallen-Key\\_Topology\\_MFB\\_and\\_Butterworthy\\_in\\_Bandpass\\_Design\\_for\\_Audio\\_Circuit\\_Design](https://www.researchgate.net/publication/329781826_Sallen-Key_Topology_MFB_and_Butterworthy_in_Bandpass_Design_for_Audio_Circuit_Design)
- [13] Dwi Aryanta, Arsyad ramadhan darlis, and Yusup mulyadi, “Perancangan Dan Implementasi Sistem Orthogonal Frequency Division Multiplexing (OFDM) Dengan Menggunakan DSK-TMS320C6713,” *Telkom university*, vol. 8, 2021.
- [14] R. Sk and J. Teknik Elektro Politeknik Negeri Padang, “Penggunaan Modul Multiplexer CD74HC4067 Untuk Menambah Input Analog Pada NodeMcu ESP8266,” 2019.

- [15] S. A. Pactitis, *Active filters : theory and design*. London, UK: Taylor and francis group, 2007.
- [16] S. B. Weinstein and P. M. Ebert, “Data Transmission by Frequency-Division Multiplexing Using the Discrete Fourier Transform,” 1971.
- [17] Y. Akeboshi, H. Ohashi, and S. Saito, “Multi-Band Filters for Frequency Division Multiplexing Networks in Power Line Communications,” *Mitsubishi Electric Corp. Information Technology R&D Center*, Kanagawa, Japan, 2009.
- [18] A. Gintings, I. Yuniantoro, and S. Harlan, “Filter Pasif Rc Dan Filter Aktif Op Amp Lm741 Sebagai Pengatur Nada Dalam Sistem Penguin Audio.” [Online]. Available: <http://jurnal.universitaskebangsaan.ac.id/index.php/ensains>
- [19] W. Rinas, “Analisis Perbandingan Penggunaan Filter Pasif Dan Filter Aktif UNTUK Menanggulangi THD Pada Sistem Kelistrikan Di Ruang Puskom Jurusan Teknik Elektro Fakultas Teknik Universitas Udayana,” *Analisis Perbandingan Penggunaan Filter ... I Wayan Rinas Teknologi Elektro*, vol. 20, no. 1, Januari-Juni, 2011.
- [20] James karki, “Analysis of the SallennKey Architecture Mixed Signal Products Application Report SLOA024B,” Dallas, texas, 75265, 1999.
- [21] Ahmad Taking, “Analisa Rangkaian Active High PASS Filter Orde 1 Dan Orde 2 Topollogy Sallenkey,” Universitas borneo tarakan, Tarakan, 2022.
- [22] O. Blessed Olalekan and O. Victor Toluwan, “Sallen-Key Topology, MFB and Butterworthy in Bandpass Design for Audio Circuit Design,” 2017. [Online]. Available: [www.trp.org.in](http://www.trp.org.in)
- [23] A. A. San-Blas, M. Guglielmi, J. C. Melgarejo, A. Coves, and V. E. Boria, “Design procedure for bandpass filters based on integrated coaxial and rectangular waveguide resonators,” *IEEE Trans Microw Theory Tech*, vol. 68, no. 10, pp. 4390–4404, Oct. 2020, doi: 10.1109/TMTT.2020.3011434.
- [24] R. Mancini, *Op Amps For Everyone*. Dallas, Texas: Texas instrument incorporated, 2002.
- [25] O. Blessed Olalekan and O. Victor Toluwan, “Sallen-Key Topology, MFB and Butterworthy in Bandpass Design for Audio Circuit Design,” 2017. [Online]. Available: [www.trp.org.in](http://www.trp.org.in)
- [26] R. Basak and K. A. Wahid, “A Rapid, Low-Cost, and High-Precision Multifrequency Electrical Impedance Tomography Data Acquisition System for Plant Phenotyping,” *Remote Sens (Basel)*, vol. 14, no. 13, Jul. 2022, doi: 10.3390/rs14133214.
- [27] Y. T. Chan and L. G. Gadbois, “Identification Of The Modulation Type Of a Signal,” 1989.
- [28] Trias suswasto, “Desain Dan Pengujian Inverter, Integrator Dan Mumtivibrator Stabil Dengan Op-Amp,” 2012.
- [29] A. H. Adul and Z. Abd, “Design and simulation of 4 th order active band-pass filter using multiple feed back and Sallen-key topologies,” *Journal of Babylon University/Engineering Sciences*, no. 2, 2014.

- [30] A. Bangkit and S. Umbu, “Desain Band Pass Filter Dengan Frekuensi CUT-OFF 1 KHz Dan 100 KHz Untuk Sistem Electrical Impedance Tomography (EIT),” vol. 9, no. 1, 2023.
- [31] O. Blessed Olalekan and O. Victor Toluwan, “Sallen-Key Topology, MFB and Butterworth in Bandpass Design for Audio Circuit Design,” 2017. [Online]. Available: [www.trp.org.in](http://www.trp.org.in)