

DAFTAR PUSTAKA

- [1] (2016) Derau. [Online]. Available: <https://id.wikipedia.org/wiki/Derau>
- [2] Bambang Dwi Sanyata, “*Analisis perbandingan penghilangan derau pada isyarat suara dengan tapis adaptif menggunakan algoritma LMS dan RLS*”, Tesis, Teknik Elektro UGM, Yogyakarta, 2006.
- [3] Denny Dermawan, “*Implementasi tapis digital finite impulse response (FIR) berbasis FPGA (Field Programmable Gate Arrays)*”, Tesis, Teknik Elektro UGM, Yogyakarta, 2009.
- [4] “*SAM3X / SAM3A Series data sheet*”, Atmel, San Jose, California.
- [5] Elhossini, A., Areibi, S., Dony, R., 2006, *An FPGA Implementation of the LMS Adaptive Tapis for Audio Processing*, Institute of Electrical and Electronic Engineers (IEEE), 1-4244-0690-0, 2006.
- [6] Turney, R.D., Reza A.M., Delva J.G.R. *FPGA Implementation of Adaptive Temporal Kalman Tapis for Real Time Video Tapising*, Institute of Electrical and Electronic Engineers (IEEE), 0-7803-5041-3/99, 1999.
- [7] Mohammed, J.R., 2007, *A New Simple Adaptive Noise Cancellation Scheme Based On ALE and NLMS Tapis*, Institute of Electrical and Electronic Engineers (IEEE), 0-7695-2835-X, 2007
- [8] El-Tarhuni , M.G. , Sheikh A.U., *Application of Adaptive Tapising to Direct-Sequence Spread-Spectrum Code Acquisition*, Wireless Personal Communications, 8:185-204, 1998.
- [9] Kuc, Roman, *Introduction to digital signal processing*, McGraw-Hill Book Company, 1982.
- [10] Gafar A, “*perancangan tapis digital FIR pelewat rendah dengan penjendelaan balckman berbasis FPGA*”, Teknik elektro UGM, Yogyakarta, 2002.
- [11] Harlianto Tanudjaja, “*Pengolahan sinyal digital & sistem pemrosesan sinyal*”, ANDI Yogyakarta, Yogyakarta, 2007.



UNIVERSITAS
GADJAH MADA

**IMPLEMENTASI ELIMINASI DERAU AKIBAT UMPAN BALIK DARI MICROPHONE DAN SPEAKER
POWER AMPLIFIER**

MENGUNAKAN METODE FIR BERBASIS SAM3X8E

IRWAN NOVIANTO, Dr.eng. Ir. Risanuri Hidayat, M.sc ; Ir. Oyas Wahyunggoro, M.t., Ph.d

Universitas Gadjah Mada, 2016 | Diunduh dari <http://etd.repository.ugm.ac.id/>

[12] Dogan Ibrahim, “*Practical digital signal processing using microcontrollers*”, Elector International Media BV, United Kingdom, 2013.

[13] Muhammad Anwar, “*Perancangan Bandstop filter (BSF) dengan algoritma genetik*”, Jurnal Momentum, ISSN : 1693-752X, Vol.16 No.2, Agustus. 2014.

[14] (2016) Arduino Due. [Online]. Available: <https://www.arduino.cc/en/Main/ArduinoBoardDue>.

[15] “*Transistors 2SC9014 data sheet*”, USHA LTD, India.

[16] Wasito. S, “*Vademekum Elektronika edisi Kedua*”, PT Gramedia Pustaka Utama, Jakarta, 2001.

[17] El-Tarhuni , M.G. , Sheikh A.U., *Application of Adaptive Taping to Direct-Sequence Spread-Spectrum Code Acquisition*, Wireless Personal Communications, 8:185-204, 1998.

[18] “*Analysis of the Sallen-Key Architecture*”, Texas Instruments Incorporated, Dallas, Texas.

[19] John G. Proakis dan D. G. Manolakis, “*Pemrosesan Sinyal Digital, prinsip algoritma dan aplikasi (Alih Bahasa), Jilid 1*”, PT Prenhallindo, Jakarta, 1997, Hal 19-35.

[20] Salim, Helmi, “*Pembuatan Modul Pengubah Sinyal Analog Menjadi Sinyal Digital (Analog To Digital Converter) Untuk Praktikum Laboratorium Dasar Telekomunikasi*”, Teknik Elektro Universitas Sumatera Utara, Sumatera Utara, 2010.

[21] Kelvin Boo-Huat Khoo, “*Programmable, High-Dynamic Range Sigma-Delta A/D Converters for Multistandard, Fully Integrated RF Receivers*”, University of California at Berkeley, Desember, 1998.

[22] (2016) Kent H. Lundberg, “*Analog to Digital Converter Testing*”, Available: <http://web.mit.edu/klund/www/A2Dtesting>.

[23] Arnold R. Feldman, “*High-Speed, Low-Power Sigma-Delta Modulators for RF Baseband Channel Applications*”, University of California, Berkeley.

[24] Pervez M. Aziz, Henrik V.S, Jan Van Spiegel, “*An Overview of Sigma Delta Converters*”, IEEE Signal Processing Magazine, Januari, 1996.



**IMPLEMENTASI ELIMINASI DERAU AKIBAT UMPAN BALIK DARI MICROPHONE DAN SPEAKER
POWER AMPLIFIER
MENGUNAKAN METODE FIR BERBASIS SAM3X8E**

IRWAN NOVIANTO, Dr.eng. Ir. Risanuri Hidayat, M.sc ; Ir. Oyas Wahyunggoro, M.t., Ph.d

UNIVERSITAS
GADJAH MADA

Universitas Gadjah Mada, 2016 | Diunduh dari <http://etd.repository.ugm.ac.id/>

[25] (2016) DAC (Digital To Analog Converter). [Online]. Available:

<http://zoniaelektro.net/dac-digital-to-analog-converter/>