UNIVERSITAS
GADJAH MADA
Rancang Bangun Purwarupa Penerima Paket APRS berbasis Raspberry Pi 2 untuk Stasiun Bumi UGM
UNGGUL ADHI NUGROHO, Dr. Agfianto Eko Putra, M.Si.;Bakhtiar Alldino A.S., S.Si., M.Cs
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Ada, Lady, 2015. Introducing the Raspberry Pi 2 - Model B. Available at: https://learn.adafruit.com/downloads/pdf/introducing-the-raspberry-pi-2-model-b.pdf [Accessed September 3, 2015].

Amarylis, 2013. APRS dan Penggunaannya. Available at: http://amarylis-foundation.blogspot.com/2013/07/aprs-dan-penggunaannya.html [Accessed September 8, 2015].

APRS Working Group, 2000. *APRS PROTOCOL REFERENCE* I. Wade, ed., Tucson, Arizona: Tucson Amateur Packet Radio Corp.

Coleman, C., 2004. *An Introduction to Radio Frequency Engineering*, The Edinburgh Building, Cambridge CB2 2RU, UK: Cambridge University Press.

Danymol, R., Ajitha, T. & Gandiraj, R., 2013. Real-Time Communication System Design using. *2013 International Conference on Advanced Computing and Communication Systems (ICACCS -2013)*, (December), pp.1–5.

Electron18, 2010. Bell 202 Interface specification for transmission of binary data by frequency manipulation FSK. Available at: http://www.softelectro.ru/interface_en.html [Accessed March 20, 2016].

FTDI, 2014. Application Note AN_146 USB Hardware Design Guidelines for FTDI ICs. *Technology*, 44(0), pp.0–13.

Gay, W., 2014. *Mastering the Raspberry Pi* 1st ed., New York City, NY, USA: Apress.

Goldsmith, A., 2005. Wireless communications. *GLOBECOM 05 IEEE Global Telecommunications Conference 2005*, 3(4), p.427.

Hajdarevic, K. & Konjicija, S., 2015. A Low Energy Computer Infrastructure for Radio VOIP Supported Communication and SDR APRS in Education and Disaster Relief Situations. *Information and Communication Technology, Electronics and Microelectronics (MIPRO), 2015 38th International Convention*, (May), pp.556–561.

Hajdarevic, K., Konjicija, S. & Subasi, A., 2014. A Low Energy APRS-IS Client-Server Infrastructure Implementation using Raspberry Pi. *Telecommunications Forum Telfor (TELFOR), 2014 22nd*, 7(November), pp.296–299.

Hansen, J.A., 2013. Raspberry Pi Applications in Digital Communications: A Mobile Xastir-Based APRS Station. Available at: http://www.tnc-x.com/DCC2013.doc.

Keen, K., 2015. Rtl_fm Guide. Available at: http://kmkeen.com/rtl-demod-guide/index.html [Accessed August 31, 2015].

Laidukas, 2015. Mods and performance of R820T2 based RTL SDR receiver. Available at: http://www.laidukas.lt/blog/?p=1045 [Accessed January 17,

UNIVERSITAS
GADJAH MADA
Rancang Bangun Purwarupa Penerima Paket APRS berbasis Raspberry Pi 2 untuk Stasiun Bumi UGM
UNGGUL ADHI NUGROHO, Dr. Agfianto Eko Putra, M.Si.;Bakhtiar Alldino A.S., S.Si., M.Cs
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

2016].

Langner, J., 2015. Building a Better Demodulator for APRS/AX.25 Packet Radio - Part 1, 1200 Baud AFSK. , (April). Available at: https://github.com/wb2osz/direwolf/blob/master/doc/A-Better-APRS-Packet-Demodulator-Part-1-1200-baud.pdf.

Langner, J., 2016. Dire Wolf User Guide. , (February). Available at: https://github.com/wb2osz/direwolf/blob/master/doc/User-Guide.pdf.

Osmocom, 2015. rtl-sdr. Available at: http://sdr.osmocom.org/trac/wiki/rtl-sdr [Accessed September 11, 2015].

Priyambodo, T.K. dkk., 2014. IiNUSAT-1: The 1st Indonesian inter-university nano-satellite for research and education. *Proceeding - ICARES 2014: 2014 IEEE International Conference on Aerospace Electronics and Remote Sensing Technology*, pp.114–120.

Raspberry Pi Foundation, 2014. What is a Raspberry Pi? Available at: http://www.raspberrypi.org [Accessed September 9, 2015].

Schmidt, M., 2014. *Raspberry Pi: A Quick Start Guide* 2nd ed. J. Carter, ed., Dallas, TX, and Raleigh, NC, USA: Pragmatic Bookshelf.

Scott, 2011. 1200 Baud Packet Radio Details. Available at: http://n1vg.net/packet/index.php [Accessed March 18, 2016].

Sruthi, M.B. dkk., 2013. Low cost digital transceiver design for Software Defined Radio using RTL-SDR. *2013 International Multi-Conference on Automation, Computing, Communication, Control and Compressed Sensing, 2013 iMac4s*, (March), pp.852–855.

Sumbodo, B.A.A. & Putra, A.E., 2015. Desain dan Implementasi On-Board Computer / On-Board Data Handling (OBDH) pada UGM-SAT 1,2. *IJEIS*, 5(1), pp.77–88.

Toshi, 2014. A circuit diagram of the image DVB-T DAB + FM of pink RTL2832U R820T. Available at: http://ggtoshi.at.webry.info/201406/article_6.html [Accessed February 9, 2016].

Wakita, M., 2016. All Satellites Frequency List Update. Available at: http://www.ne.jp/asahi/hamradio/je9pel/satslist.htm [Accessed June 5, 2016].

Winder, S., Carr, J.J. & Davies, J., 2002. *Newnes radio and RF engineering pocket book* 3rd ed., Woburn: Newnes.