

DAFTAR PUSTAKA

- Abdalla, M., Musa, A., Babiker, E., 2017. Effect of Boiler Feed Water Quality in Textile and Other Industries 30, 16–29.
- Abrari, A.N., Hasannah, R.N., 2019. Analisis Efisiensi Boiler Sebelum Dan Setelah Overhaul Di Unit 3 PLTU Suralaya. Skripsi Sekol. Tinggi Tek. PLN.
- Agung, N., 2007. Menaikan Efisiensi Boiler Dengan Memanfaatkan Gas Buang Boiler. Univ. Diponegoro.
- Aprilia, D., Hardjono, 2021. Penentuan Efisiensi Boiler Dengan Menggunakan Metode Langsung Di Pt X Lumajang. Distilat J. Teknol. Separasi 7, 421–426.
- Asmudi, 2012. Analisa Unjuk Kerja Boiler Terhadap Penurunan Daya Pada Pltu Pt. Indonesia Power Ubp Perak. Energi Lingkungan. 1–15.
- Basu, S., Debnath, A.K., 2019. Advanced Ultrasupercritical Thermal Power Plant and Associated Auxiliaries. Power Plant Instrum. Control Handb. 893–988.
- Chooprsert, P., Suluksna, K., Tumm, P., 2020. Improvement of boiler efficiency for Rerm-Udom sugar factory. E3S Web Conf. 187, 1–8.
- Chuch, A.H., 1996. Pompa dan blower sentrifugal. Erlangga.
- Energy Efficiency Guide for Industry in Asia! [WWW Document], n.d. URL <http://www.energyefficiencyasia.org/> (accessed 10.8.21).
- Findejs, J., Havlena, V., Jech, J., Pachner, D., 2009. Model based control of the circulating fluidized bed boiler. IFAC Proc. Vol. 42, 44–49.
- Fire Tube Boiler - Online Electrical [WWW Document], n.d. URL <https://oelectrical.com/fire-tube-boiler/> (accessed 10.8.21).
- Hasibuan, H.C., Napitupulu, F.H., 2013. Analisa Pemakaian Bahan Bakar Dengan Melakukan Pengujian Nilai Kalor Terhadap Perfomansi Ketel Uap Tipe Pipa Air Dengan Kapasitas Uap 60 Ton/Jam. e-Dinamis 4.
- Hendaryati, H., 2012. Analisis Efisiensi Termal Pada Ketel Uap Di Pabrik Gula Kebonagung Malang. J. Gamma 8, 148–153.
- Heriyansah, R., 2017. Peningkatan Efisiensi Boiler Dengan Metode Chemical Cleaning Dan Mechanical Celaning.

Arkan Mahadi , 2021

ANALISIS EFISIENSI PACKAGE BOILER 2011 UA KAPASITAS 50 TON/JAM PT. PERTAMINA REFINERY UNIT III PLAJU SUMATERA SELATAN

UPN Veteran Jakarta, Fakultas Teknik, Program Studi Teknik Mesin

[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]

- Jebeštine, S., 2019. Determination of Efficiency of a Water- 1–8.
- JICA, J.I.C.A., 2000. Project Enhance Occupational Safety and Health -
Kementrian Ketenagakerjaan.
- Joseph Omosanya, A., Titilayo Akinlabi, E., Olusegun Okeniyi, J., 2019.
Overview for Improving Steam Turbine Power Generation Efficiency. J.
Phys. Conf. Ser. 1378.
- Kementerian ESDM RI - Media Center - Arsip Berita - Hingga 2030, Permintaan
Energi Dunia Meningkatkan 45 % [WWW Document], n.d. URL
[https://www.esdm.go.id/id/media-center/arsip-berita/hingga-2030-
permintaan-energi-dunia-meningkat-45-](https://www.esdm.go.id/id/media-center/arsip-berita/hingga-2030-permintaan-energi-dunia-meningkat-45-) (accessed 10.7.21).
- Kementrian ketenagakerjaan, 2016. Keputusan Menteri Ketenagakerjaan No. 248.
- Khan, Sharukh, Khan, Shahabaz, 2014. Boiler and Its Tangential Fuel Firing
System. Int. J. Autom. Control Eng. 3, 71–84.
- Kharisma, A.A., Budiman, A., 2020. UG JURNAL VOL.14 Edisi 12 Desember
2020 14, 23–31.
- Kusumadinata, A.R., 2015. Analisis Efisiensi Boiler Dengan Kapasitas Uap 1950
Kg/Jam.
- Lancashire Boiler | Lancashire Boiler Diagram | Steam Boiler Working Principle |
Steam Boiler Parts and Function [WWW Document], n.d. URL
<https://mechanicaljungle.com/lancashire-boiler/> (accessed 10.8.21).
- Low Pressure Steam Vs High Pressure Steam - Miura America [WWW
Document], n.d. URL [https://www.miuraboiler.com/low-pressure-steam-vs-
high-pressure-steam/](https://www.miuraboiler.com/low-pressure-steam-vs-high-pressure-steam/) (accessed 10.7.21).
- Mengenal Boiler (Ketel Uap) pada Berbagai Pabrik Produksi [WWW
Document], n.d. URL <https://www.builder.id/mengenal-boiler-ketel-uap/>
(accessed 10.8.21).
- Mrzljak, V., Prpic-Orsic, J., Musulin, J., Štifanić, D., 2020. Energy and exergy
analysis of deaerator from combined-cycle power plant.
- Muin, S.A., 1988. Pesawat-Pesawat Konversi Energi I (Ketel Uap). CV. Rajawali,
Jakarta, pp. 8–10.
- Muzaki, I., Mursadin, A., 2019. Analisis Efisiensi Boiler Dengan Metode Input–
Output Di PT. Japfa Comfeed Indonesia Tbk. Unit Banjarmasin. Sci. J.

Arkan Mahadi , 2021

**ANALISIS EFISIENSI PACKAGE BOILER 2011 UA KAPASITAS 50 TON/JAM PT. PERTAMINA
REFINERY UNIT III PLAJU SUMATERA SELATAN**

UPN Veteran Jakarta, Fakultas Teknik, Program Studi Teknik Mesin

[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]

- Mech. Eng. Kinemat. 4, 37–46.
- Oland, C.B., 2002. Guide to Low-Emission Boiler and Combustion Equipment Selection, Oak Ridge National Laboratory.
- Ovchinnikov, B.M., Ovchinnikov, Y., Parusov, V., 2017. The Arctic Electric Power Stations Are the Decision of Energy, Environmental and Climate Problems. *Int. J. Energy Sci. Eng.* 3, 44–47.
- Panchal, A., 2018. Heat Transfer and Flow Characteristics of spiral Fin and Tube Heat Exchanger.
- Patro, B., 2016. Efficiency studies of combination tube boilers. *Alexandria Eng. J.* 55, 193–202.
- Pengertian Excess Air || Artikel Teknologi Indonesia [WWW Document], n.d. URL <https://artikel-teknologi.com/pengertian-excess-air/> (accessed 10.8.21).
- Perhitungan Excess Air Proses Pembakaran || Artikel Teknologi Indonesia [WWW Document], n.d. URL <https://artikel-teknologi.com/perhitungan-excess-air-proses-pembakaran/> (accessed 10.8.21).
- Pravitasari, Y., Malino, M.B., Novitasari, M., 2017. Analisis Efisiensi Boiler Menggunakan Metode Langsung. *Prism. Fis.* 5, 9–12.
- Roy, P., 2015. Analysis of Rankine Cycle and Its Utility in Thermal Power Plant-a Theoretical Approach. *Anal. Rank. Cycle Its Util. Therm. Power Plant-A Theor. Approach* 53–59.
- Sahlan, Irvan Buchari S. Taman, R.F.A., 2015. Kegagalan Fungsi Safety Valve Lp Steam Drum HRSG 1.1 Muara Karang. *J. Powerpl.* 3, 48–55.
- Sinaga, A., 2019. Pengaruh Air Heater Terhadap Peningkatan Efisiensi Boiler Pada Unit 3 Pltu Pt . Pln (Persero) Unit Pelaksana Pembangkitan Belawan Skripsi Oleh : Andreas Sinaga Program Studi Teknik Mesin Fakultas Teknik Pengaruh Air Heater Terhadap Peningkatan Efisiensi 1–78.
- Siswanto, J.E., 2020. Analisa Pengaruh Perubahan Beban Output Turbin Terhadap Efisiensi Boiler. *J. Electr. Power Control Autom.* 3, 44.
- Sokhibi, R.M., 2019. Analisis Unjuk Kerja Boiler DDHI 10-10 PT. Pertamina Ep Asset 3 Field Balongan.
- SS Master The Steam System - SS Master [WWW Document], n.d. URL <https://www.ssmaster.org/about-the-ss-master/the-steam-system/> (accessed

Arkan Mahadi , 2021

ANALISIS EFISIENSI PACKAGE BOILER 2011 UA KAPASITAS 50 TON/JAM PT. PERTAMINA REFINERY UNIT III PLAJU SUMATERA SELATAN

UPN Veteran Jakarta, Fakultas Teknik, Program Studi Teknik Mesin

[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]

10.8.21).

Three-drum water-tube boiler [WWW Document], n.d. URL

<https://www.babcock.com/resources/case-profiles/irpc> (accessed 10.8.21).

Üner, H., 2013. Development of a Steam Generator Simulation Model in IPSEpro.

Wahjudi, S., 2017. Analisis Pencampuran Bahan Bakar Premium - Pertamina Terhadap Kinerja Mesin Konvensional III, 1–5.

Wicaksono, R.R., Ernawati, M., 2013. Evaluasi Sarana Evakuasi Kebakaran di Industri Karung Sidoarjo. Indones. J. Public Heal. 10, 44–55.

Winanti, W.S., Prayudi, T., 2006. Perhitungan Efisiensi Boiler Pada Industri Tepung Terigu. J. Tek. Lingkungan. 58–65.

Yanwar, M.D., Tarmukan, T., Singgih, H., 2020. Pengendalian Kecepatan Crusher Motor Dengan Metode PID Control Menggunakan DCS (Distributed Control System) Pada Proses Ekstraksi Daging Buah Sirsak. J. Elektron. dan Otomasi Ind. 7, 9.

Zhukov, E., Menyayev, K., Taymasov, D., 2019. Furnaces with vortex burning for burning of wood waste and coal. E3S Web Conf. 140, 3002.

Arkan Mahadi , 2021

ANALISIS EFISIENSI PACKAGE BOILER 2011 UA KAPASITAS 50 TON/JAM PT. PERTAMINA REFINERY UNIT III PLAJU SUMATERA SELATAN

UPN Veteran Jakarta, Fakultas Teknik, Program Studi Teknik Mesin

[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]