

Studi aplikasi gasifikasi di industri keramik dan gerabah : analisa pengaruh modifikasi burner bluff body 25 lubang terhadap pola api pada sistem gasifikasi downdraft berbahan bakar cangkang kelapa =
Gasification Application Study on Ceramic and Pottery Industry :
Analysis on flame pattern as a result of applying modified bluff bodied gas burner with 25 holes in a downdraft gasifier system using coconut shell as fuel / Revananda Difitro

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Abstrak

Sebagai kelanjutan program Action Research pemberdayaan teknologi gasifikasi terhadap aplikasi industri gerabah keramik diadakan penelitian dan pengembangan lebih jauh terhadap sistem gasifikasi downdraft berbahan bakar cangkang kelapa. Modifikasi dilakukan dengan cara melakukan overhaul terutama pada burner dan output dari penelitian adalah perilaku pola api akibat penggunaan bluff – body pada burner 25 lubang.

As a continuation to Action Research program implementing gasification technology towards pottery industry, further research and development is conducted in the Downdraft Gasification system using coconut shell as fuel. Several modification were taken by overhauling the system, especially the burner. The output of said research is to study the flame pattern behaviour as a result of applying bluff –body on the modified burner with 25 – holes.