

**LEMBAR HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW  
KARYA ILMIAH : JURNAL INTERNASIONAL**

Judul Jurnal Ilmiah (Artikel) : Effect of Wet Ethanol on Performance and Smoke Emission of Direct Injection Diesel Engine with Cold EGR System Fueled by Diesel Fuel and Jatropa Oil  
 Jumlah Penulis : Ahmad Faoji, Syaiful, dan Nazaruddin Sinaga\*  
 Status Pengusul : Penulis ke-3  
 Identitas Jurnal Ilmiah : a. Nama Jurnal : International Journal of Latest Transactions in Engineering And Science  
 b. Nomor ISSN : 2321-0605  
 c. Volume, nomor, bulan tahun : 7, 2, Juli 2019  
 d. Penerbit : SN Publisher  
 e. DOI artikel (jika ada) : -  
 f. Alamat web Jurnal :  
 http://www.ijltes.com/issues-2/volume-7-issue-2-july-2019/  
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 http://www.ijltes.com/wp-content/uploads/2019/07/2.pdf  
 g. Terindeks di : -  
 h. Turnitin Similarity : 23%

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**2. Ruang lingkup dan kedalaman pembahasan:**

Isi dari artikel yakni meneliti tentang efek dari ethanol cair pada performa dan emisi asap pada mesin direct injection diesel dengan sistem EGR berbahan bakar diesel dan minyak jatropa. Data-data ditampilkan dengan lengkap. Pembahasan dan interpretasi data dilakukan dengan cukup baik.

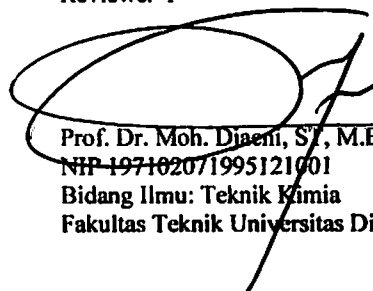
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Kemutakhiran, referensi 10 tahun terakhir dari jurnal sangat baik, sebanyak 17 dari 18 daftar pustaka, atau 94,4 %. Metode penelitian jelas dan memadai.

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Semarang, 25 Februari 2020  
Reviewer-1



Prof. Dr. Moh. Djani, S.T., M.Eng.  
NIP-197102071995121001  
Bidang Ilmu: Teknik Kimia  
Fakultas Teknik Universitas Diponegoro

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**Catatan Penilaian artikel oleh Reviewer :**

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**2. Ruang lingkup dan kedalaman pembahasan:**

Sesuai dengan kaidah pengujian laboratorium. Ruang lingkup pembahasan baik dan sesuai dengan tujuan penulisan yang dimaksud.

**3. Kecukupan dan kemutakhiran data/informasi dan metodologi:**

Data diperoleh dari pengujian, metodologi maupun data digunakan sudah baik. Referensi yang digunakan up to date dan semuanya disitasi dengan baik.

**4. Kelengkapan unsur dan kualitas terbitan:**

Alamat fisik jurnal ini dapat dilacak/dilihat melalui online. Tampilan artikel sudah mengikuti tampilan jurnal yang dibuat.

Bandung, 26 November 2019  
Reviewer-2



Prof. Dr. Ir. Priyono Soetikno DEA  
 NIP 195306111978031000  
 Bidang Ilmu: Teknik Mesin  
 Fakultas Teknik Mesin dan Dirgantara  
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[Effect of wet ethanol on performance and smoke emission of direct injection diesel engine with cold egr system fueled by diesel fuel and jatropa oil](#)

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Diesel engines are widely used as a mode of transportation because of better performance and higher efficiency than gasoline engines. A large number of uses of diesel engines has resulted in increased consumption of fossil fuels and air pollution. Therefore, this study aims to find alternative fuels to reduce dependence on fossil fuels, and the impact of alternative fuels on the environment with the Exhaust Gas Recirculation (EGR) system. The use of jatropa oil as an alternative fuel and wet ethanol as an additive is one of the solutions to be ...

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