

Judul:

Pengaruh Pemanfaatan Low-Grade Bioethanol dan Aditif Oxygenated Cyclooctanol Terhadap Daya, Torsi, dan Coefficient of Variation Pada Motor Honda Supra 125 cc = Indonesia's consumption of oil energy for transportation sector in in 2018 as much as 40% of total energy consumption in Indonesia, which is the largest energy consumption in Indonesia compared to other sectors. However, the high needs of oil energy in Indonesia is not balanced with it's production. For the last 10 years, the production of oil energy became decline. In 2009, Indonesia produced a total of 346 million barrels of oil, while in 2018 it fell to 283 million barrels of oil. So, to fulfill the needs of oil energy in Indonesia, the government have to import oil as much as 35% mainly from Middle Eastern countries. Therefore, the needs of alternative fuel energy as bioethanol and the addition of additives to make the property of fuel become better, so that the government can reduce imports of oil from other countries and the need of oil energy can be fulfilled. This research was conducted to analyze the effect of COV's value change from each fuel variable to the power and torque that produced from the engine. The fuel variable used is E10, E10 + 0.3% cyclooctanol, E10 + 0.5% cyclooctanol, and E10 + 1, 3% cyclooctanol. The results of this research are E10 with the addition of 1,3% concentration of oxygenated cyclooctanol addtitive resulted in the smallest value of COV is 5% at 8500 rpm and the largest value of COV is 10,1%, obtained by E10 fuel without additives at 4000 rpm. With the addition of the concentration of cyclooctanol additive to E10, it can make the value of COV become smaller, so the combustion process becomes better and more stable. This is proved by the increased power and torque that generated by the engine with the addition of the concentration of the oxygenated cyclooctanol additive to E10

Pengarang/Penulis:

Naufal Abi Nubli, author

Subjek:

Bioetanol; Oxygenated cyclooctanol; Daya, Torsi.

Nomor Panggil:

S-pdf

Penerbitan:

Fakultas Teknik Universitas Indonesia

Link Terkait:

- [Deskripsi Bibliografi](#)
- [Abstrak](#)
- [Dokumen Yang Mirip](#)
- [Universitas Indonesia Library](#)