

**REKAYASA VARIASI TEKANAN PADA TANGKI BAHAN BAKAR
TERHADAP UNJUK KERJA MESIN 4 LANGKAH SILINDER TUNGGA
110 cc** (*The engineering of variations in pressurized on fuel tank to the engine
performance 4 stroke single cylinder*)

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ABSTRACT

The fuel pressurized tank will be use in this research. The purpose of this research is to achieve better torque and power for machine. There will be 3 fuel tank pressure variations upon this research. They are 10, 15, 20 Psi. The result is in 10 and 20 Psi the machine failed to operate so it's assume that torque and power equal to 0. For 15 Psi the torque value variation by 0,38 N.m at RPM 3000, 0,88 N.m at RPM 4000, and then RPM 5000, 6000, 7000 is 1,11 N.m, 1,05 N.m, 0,48 N.m. The horse power variation by 0,11 KW at RPM 3000, 0,36 KW at RPM 4000, and then RPM 5000, 6000, 7000 is 0,58 KW, 0,65 KW and 0,35 KW.

Keywords : *Pressurized Tank, Torque, KW.*