

DEVELOPMENT OF ROLLING GEAR TESTER FOR GEARING

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ABSTRACT

Knowing the right material as a material in the manufacture of rolling gear testers, creating the right design for the manufacture of rolling gear testers adapted to the needs in the metrology laboratory JPTM FT UNY, and know the feasibility of rolling gear tester as a media / tool lathe radius.

The method of research applied is the research of design development for manufacturing from Ulrich's approach. The research was conducted at the FT UNY Machine Fitting workshop.

Large-scale trial results showed that the material used for the main component was aluminum. The design of the gear gauge as the tool image has the main components of the main shaft as the master gear mount, the indicator dials as an aberration gauge and other components. Gear tester tool is very suitable for use and becomes one of the gear test practice tools in the Lab. Metrology FT UNY.

Kata Kunci: *Gear, Tester*