ABSTRACT

Testing for petroleum refinery products is absolute to be done because so that knowable whether the refined products have fulfilled the quality standard specified. One of testing of taken is colour testing. Appliance used to process the colour testing in Pusdiklat Migas Cepu use the manual appliance and require the operator membership in its execution. Therefore in this final project conducted to design the colour measurement device being based on personal computer so that measurement process become effective and efficient. The measurement device develop relate at standard of measurement of ASTM D156 and ASTM D1500. Measuring device develop yield the error, accuration and precision equal to 22.03 %, 77.97 % and 0.98 for the ASTM D156 and 35.67 %, 64.33 % dan 0.99 for the ASTM D1500, and also operation time ± 5 minute.

Keyword: Colour, petroleum refinery products, measurement device.