

***ANALYSIS OF DIFFERENCES IN GLOSSITY AND CORROSION
RATE OF COATINGS PAINT WITH VARIOUS TYPES OF PAINTING ON
GALVANIZED STEEL PLATE (Case Study on
Motorcycle Handle Bar)
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ABSTRACT

This research aims to observe and analyze the gloss value and level of corrosion produced by three different types of painting on galvanized plate media. This research was carried out for gloss testing at PT. Mataram Paint Surabaya uses a GlossMeter tool, while corrosion rate testing is carried out at Bumi Mangli Permai Housing Block A12a, Kaliwates District, Jember Regency, using a power supply and acidic liquid or what can be called Electrochemistry. In the gloss test, it can be seen that the highest value is 63 GU for the canned paint type and the lowest gloss value is 58.5 GU for the powder coating paint type, and it can also be seen that the highest corrosion value is 0.361 MPY for the canned paint type and the lowest corrosion value is 0.061 mpy for powder coating type of painting. It can be concluded that the highest gloss value is the type of painting using canned paint and the lowest gloss value is the type of powder coating painting, while the highest corrosion value occurs in the type of painting with cans while the lowest corrosion value occurs in the type of powder coating painting.