

## Pengaruh waktu electroplating dengan chrom pada baja karbon rendah terhadap kekerasan, laju korosi dan tebal lapisan

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### Abstrak

Electrically plating or electroplating is one method used to beautify looks fine and also to improve the mechanical properties of the metal.

The eksperiment is performed by preparing specimens have been measured with different variations in time for electroplating with a current of 10 amperes at 12 Volts. The results show that the corrosion test specimen electroplating results with the arrest of  $0.1889847379$  mpy 40 minutes, 30 minutes of  $0.1771731918$  mpy, 20 minutes by  $0.1417385534$  mpy, and without coating  $0.93298832$  mpy. Judging from the results on each specimen corrossion the safest coating coalings with detention is 20 minutes and is the fastest corroded specimens without coating. Hardware test results from each specimen tested showed rising violence in the area coated by electroplating. The test results showed a thick layer on the detention of 40 minutes is the result of sed, memory layers thicker than the initial 30 minutes and 20 minutes.