

LAMPIRAN

PERHITUNHAN LAJU KOROSI

Dimana peneliti menggunakan rumus :

$$CR = \frac{W \cdot K}{D \cdot A \cdot T}$$

Keterangan

CR : Laju korosi (*mm/year*)

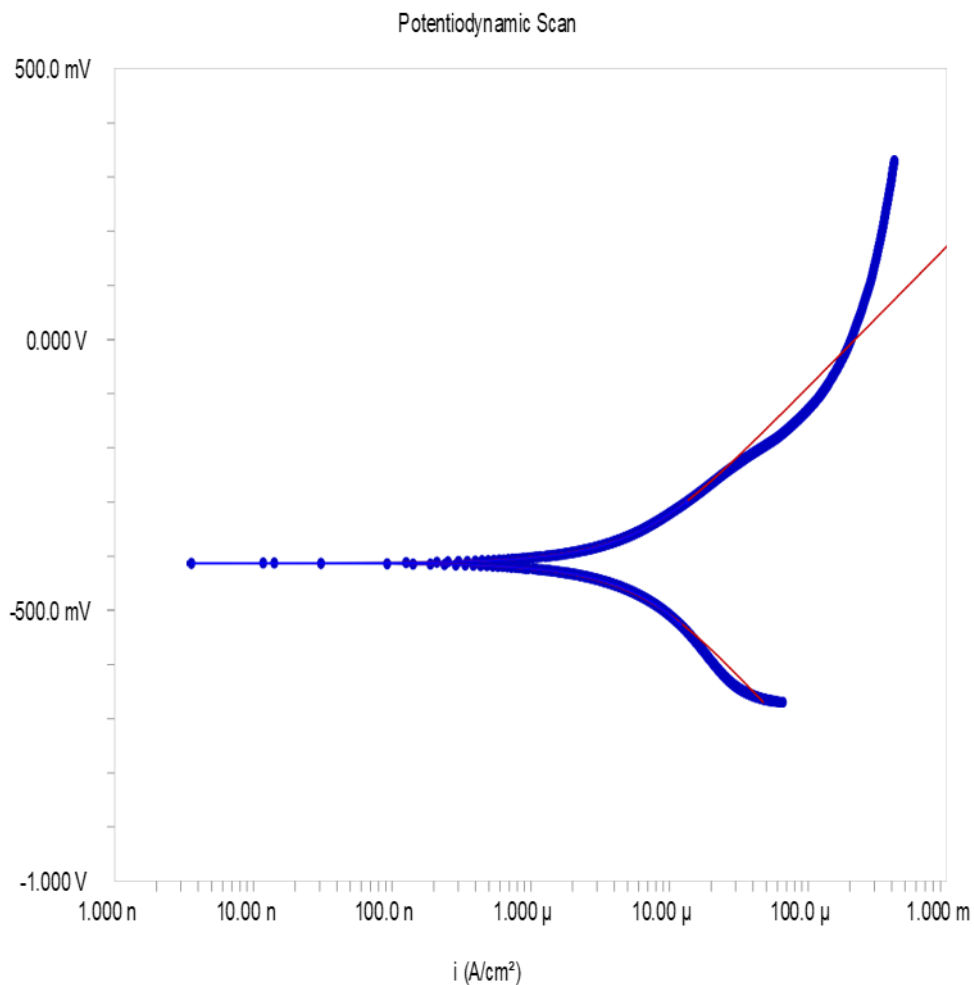
W : Kehilangan Masa

K : Konstanta (3.45×10^6)

D : Densitas (*Gram/cm³*)

A : Luas Permukaan (*cm²*)

T : Waktu



● CURVE (PD BAJA KARBON (60)_ELSA 104449.DTA)

— Fit 1 [Tafel]

EXPERIMENTAL PARAMETERS

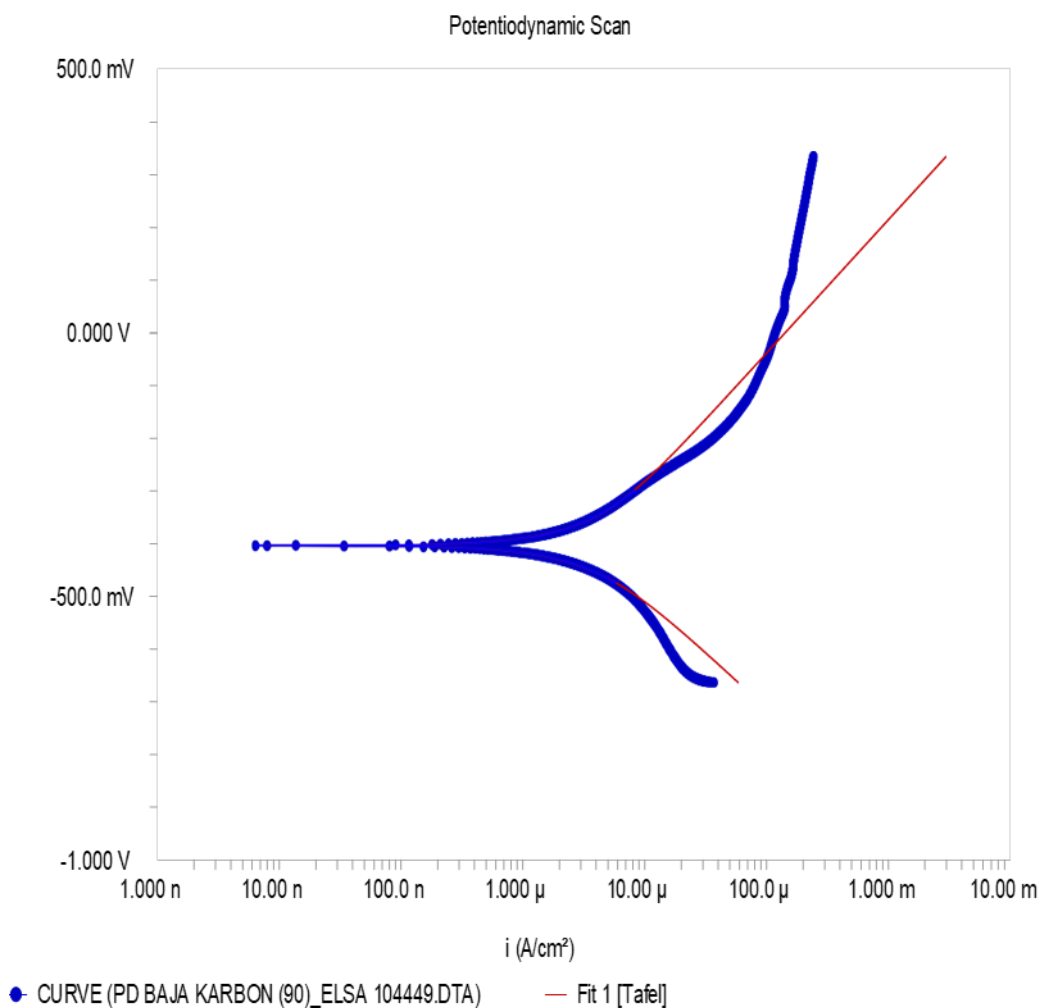
Initial E (V): -0.25 vs. Eoc
 Final E (V): 0.75 vs. Eoc
 Potentiodynamic Scan
 7/18/2023
 11:27:55
 Scan Rate (mV/s): 0.5
 Sample Period (s): 1
 Sample Area (cm²): 4.71
 Density (g/cm³): 7.8
 Equiv. Wt: 27.39
 IR Comp: Off
 Open Circuit (V): -0.4277945

EXPERIMENTAL DETERMINATIONS

BetaA (V/decade): 0.2597
 BetaC (V/decade): 0.2752
 Icorr (A): 5.53E-06
 Ecorr (V): -0.412
 Corrosion Rate (mpy): 2.499632

EXPERIMENTAL NOTES

Kode Sampel : 4305-104449-1,
 ar : air demin



EXPERIMENTAL PARAMETERS

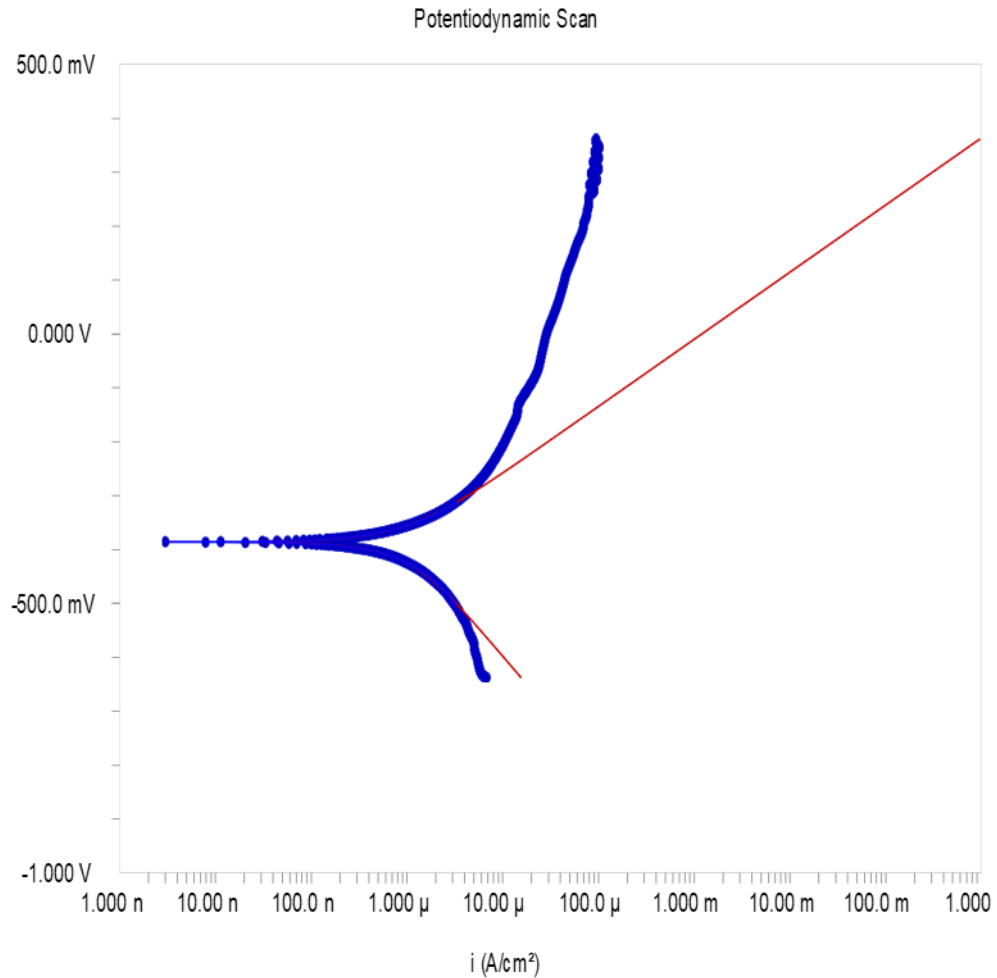
Initial E (V): -0.25 vs. Eoc
 Final E (V): 0.75 vs. Eoc
 Potentiodynamic Scan
 7/18/2023
 13:02:40
 Scan Rate (mV/s): 0.5
 Sample Period (s): 1
 Sample Area (cm²): 4.71
 Density (g/cm³): 7.8
 Equiv. Wt: 27.39
 IR Comp: Off
 Open Circuit (V): -0.4224092

EXPERIMENTAL DETERMINATIONS

BetaA (V/decade): 0.2534
 BetaC (V/decade): 0.2146
 Icorr (A): 3.65E-06
 Ecorr (V): -0.403
 Corrosion Rate (mpy): 1.650078

EXPERIMENTAL NOTES

Kode Sampel : 4305-104449-2,
 ar : air demin



◆ CURVE (PD BAJA KARBON (120)_ELSA 104449.DTA) — Fit 1 [Tafel]

EXPERIMENTAL PARAMETERS

Initial E (V): -0.25 vs. Eoc
 Final E (V): 0.75 vs. Eoc
 Potentiodynamic Scan
 7/18/2023
 14:02:55
 Scan Rate (mV/s): 0.5
 Sample Period (s): 1
 Sample Area (cm²): 4.71
 Density (g/cm³): 7.8
 Equiv. Wt: 27.39
 IR Comp: Off
 Open Circuit (V): -0.3960137

EXPERIMENTAL DETERMINATIONS

BetaA (V/decade): 0.1247
 BetaC (V/decade): 0.208
 Icorr (A): 9.81E-07
 Ecorr (V): -0.385
 Corrosion Rate (mpy): 0.4435229

EXPERIMENTAL NOTES

Kode Sampel : 4305-104449-3,
 ar : air demin