***SMAW Repair Welding Process For Medium Carbon Steel using Austenitic Stainless Steel Electrode***

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**ABSTRACT**

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*Repair welding Crankshaft* merupakan alternatif pilihan, dibandingkan pembelian komponen baru yang semakin mahal serta membutuhkan waktu proses pembuatan maupun pemesanan. Menggunakan *SMAW* dengan *electrode E309Mol-17* dan *316L* dengan proses Pre heat, *PWHT*, berserta pengujian tarik, kekerasan, dan metalografi untuk mendapatkan parameter yang terbaik untuk menghasilkan produk yang dapat dimanfaatkan ulang sebagai komponen mesin otomotif.

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