

# **IDENTIFIKASI DAN TROUBLESHOOTING SISTEM PENDINGIN PADA MESIN DAIHATSU ZEBRA 1.3 DAN CARA MENGATASINYA**

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## **ABSTRAK**

Identifikasi dan Troubelshooting Sistem Pendingin Pada Mesin Daihatsu Zebra 1.3 dan Cara Mengatasinya. Sistem Pendingin berfungsi sebagai penyerap suhu panas yang berada di dalam mesin. Namun sekiranya bermasalah terkadang susah untuk mengatasinya, pada saat proses tersebut akan ditemui banyak masalah mulai dari fungsi dan cara kerjanya. Metode yang dilakukan dalam pengambilan tugas akhir ini adalah dengan pengambilan data pada pemeriksaan pada mesin Daihatsu zebra 1.3 yang beracuan pada spesifikasi manual book reparasi Daihatsu zebra. Sehingga dapat diketahui apakah komponen tersebut masih layak dipakai atau tidak. Dari pemeriksaan air pendingin – radiator – selang radiator – thermostat – pompa pendingin dan tutup radiator Didapati kondisi komponen dalam keadaan kurang baik dan pengujian menggunakan RCT pada tekanan 0,9 sesuai spesifikasi didapati kebocoran pada bibir radiator karena kropos dan cara mengatasinya dengan cara menambal bibir radiator dengan memberikan lem besi pada bagian yang mengalami kebocoran dan ketika dilakukan perbaikan system pendingin tidak mengalami kebocoran kembali.

Kata Kunci: *Sistem Pendingin, Pemeriksaan, Spesifikasi dan Pengujian*

## **IDENTIFICATION AND TROUBLESHOOTING OF THE COOLING SYSTEM ON THE DAIHATSU ZEBRA 1.3 ENGINE AND HOW TO OVERCOME IT**

### **ABSTRACT**

Identification and Troubleshooting of the Cooling System on Daihatsu Zebra 1.3 Engine and How to Fix It. The Cooling System functions as an absorber of heat in the engine. Many people sometimes ostracize the cooling system itself, but for those who understand the cooling system affects a vehicle. However, once a problem is sometimes difficult to overcome, many problems will range from the function and how it works. The method carried out in this final project is by taking data on checking the cooling system components on the Daihatsu Zebra 1.3 engine, which refers to the specifications of the Daihatsu Zebra recovery manual book. So that it can be known whether the component is still suitable for use. The inspection of components found that all cooling system components were in good condition. From the inspection of the cooling water – radiator – radiator hose – thermostat – coolant pump, and radiator cap, It was found that the condition of the components in condition was not good. Testing using RCT at a pressure of 0.9 according to specifications found a leak in the radiator lip due to crops. How to overcome it by patching the radiator lip by applying iron glue to the part that leaked, and when repaired, the cooling system did not leak return.

Keywords: *Cooling System, Inspection, Specification and Testing*