

Evana Fransisca, 2019. *Sistem Informasi Pengadaan Barang di Bengkel O2 Car Automotive Gresik*. Tugas Akhir ini dibawah bimbingan Drs Eto Wuryanto DEA,. Program Studi Diploma Tiga Sistem Informasi, Fakultas Vokasi, Universitas Airlangga.

---

### ABSTRAK

Tujuan dari Tugas Akhir ini adalah membuat sistem informasi pengadaan barang yang ada pada bengkel *O2 Car Automotive Gresik*, sehingga proses bisnis yang ada pada bengkel lebih efisien, serta dapat meminimalkan terjadinya kesalahan. Sistem ini menangani 3 proses yaitu : proses pemesanan barang, proses penerimaan barang, dan proses pembayaran.

Dalam pembuatan sistem informasi pengadaan barang di bengkel *O2 Car Automotive Gresik* diperlukan beberapa tahap yang harus dilakukan . Tahap pertama yaitu pengumpulan informasi yang didapat dengan cara wawancara. Tahap kedua yaitu menganalisa permasalahan sesuai informasi yang telah didapat dari wawancara, dengan membuat *Document Flow diagram (docflow)*, dan *fishbone diagram*. Tahapan ketiga yaitu membuat desain proses dengan membuat *flowchart*, *Data Flow Diagram (DFD)*, lalu desain database dengan membuat *Conceptual Data Model (CDM)* yang berisi 17 entitas dan *Physical Data Model (PDM)* 17 tabel. Berdasarkan desain yang dibuat sebelumnya, dilanjutkan membuat desain input output. Tahap keempat yaitu membuat gambaran sistem dengan membuat bagan alir dan mengimplementasikannya dengan Bahasa pemrograman berbasis web. Tahap terakhir melakukan uji coba sistem pengadaan barang kepada kasir dan owner dari bengkel *O2 Car Automotive Gresik*.

Berdasarkan hasil uji coba sistem, sistem informasi pengadaan barang di bengkel *O2 Car Automotive Gresik* dapat menangani permasalahan proses bisnis di bengkel *O2 Car Automotive Gresik* secara efisien dan dapat menghasilkan laporan secara tepat.

Kata kunci : *Sistem Informasi, pengadaan barang, pemesanan berbasis web.*

Evana Fransisca, 2019. *Information System Of Item's Procurements at O2 Car Automotive Gresik Workshop* . This Final Project had been Guiding by Drs Eto Wuryanto DEA., Diploma Three of Information System Study Program, Faculty of Vocational, Airlangga University.

---

### ABSTRACT

The purpose of this Final Project is to create an information system of the product procurement process at O2 Car Automotive Repair Shop to make the business process at the repair shop more efficient as well as minimize errors. This system consists of 3 processes, namely product ordering process, product receiving process, and payment process.

There were several steps in creating the information system of the product procurement process at O2 Car Automotive Repair Shop. The first step was collecting information with interviews. The next step was analyzing the problems based on the data from interviews with Document Flow Diagram (Docflow) and fishbone diagram. The third process was designing the system with flowchart, Data Flow Diagram (DFD), as well as designing database with Conceptual Data Model (CDM) that resulted in 17 entities and Physical Data Model (PDM) that resulted in 17 tables. Based on the previous design, then, input and output forms were designed. The fourth step was illustrating the system with a Flow Chart and implementing it in a web-based program. The final step was testing the system to the cashier and the owner of the O2 Car Automotive Repair Shop.

Based on the system test results, the information system of the product procurement process at O2 Car Automotive Repair Shop can handle the business process at the repair shop efficiently and display reports accurately.

Keywords: Information system, product procurement, web-based product ordering.