

**MEMBANGUN SISTEM INFORMASI  
DISTRIBUSI GAS LPG 3KG  
(Studi Kasus : PT. Bummy Harapan Umat Kulon Progo)**

**BUILDING INFORMATION SYSTEMS  
3KG LPG GAS DISTRIBUTION  
(Case Study : PT. Bummy Harapan Umat Kulon Progo)**

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**ABSTRACT**

PT. Bummy Harapan Umat is the name of a company that provide and distribute LPG 3kg. In carrying 3kg LPG distribution operations, PT. Bummy Harapan Umat do a lot of work such as data collection distribution tubes, data collection empty tube and the tube contents, determine the recapitulation daily or monthly every base, which in running the job there are some constraints faced by these agents such as the length of the process of inputting the data and preparing reports that are less efficient , the growing LPG 3kg atPT. Bummy Harapan Umatmake the work more and more and takes a very long time. For that, we need an information system to support the process of 3kg LPG Gas Distribution Management.

In the design of this system, the method used is the method of data collection by observation, interviews, and documentation. The design of the system is described using Context Diagram, Data Flow Diagram (DAD), Entity Relational Diagram (ERD) and Diagram Study. While the implementation phase of establishing a distribution system using the Delphi programmingand MySQL database.

The system is built to produce information system, the data processing of goods distribution in PT. Bummy Harapan Umat to manage data distribution and Acceptance 3kg LPG Gas Booking, 3kg LPG Gas distribution report into a form of data reports booking receipt and distribution of goods.

**Keywords :** Application, Distribution, Delphi7.

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### **INTISARI**

PT. Bummy Harapan Umat adalah nama sebuah perusahaan yang menyediakan dan menyalurkan gas elpiji 3kg. Dalam menjalankan operasional pendistribusian gas elpiji 3kg, PT. Bummy Harapan Umat melakukan banyak pekerjaan seperti pendataan distribusi tabung, pendataan tabung kosong dan tabung isi, menentukan rekapitulasi harian maupun bulanan setiap pangkalan, dimana dalam menjalankan pekerjaan tersebut ada beberapa kendala yang dihadapi pada agen ini seperti lamanya proses penginputan data serta pembuatan laporan yang kurang efisien, semakin berkembangnya gas elpiji 3kg pada PT. Bummy Harapan Umat membuat pekerjaan semakin banyak dan memakan waktu sangat lama. Untuk itu, diperlukan suatu sistem informasi untuk menunjang proses Pengelolaan Distribusi Gas LPG 3kg.

Dalam perancangan sistem ini, metode yang digunakan adalah metode pengumpulan data dengan cara observasi, wawancara, dan dokumentasi. Perancangan sistem digambarkan dengan menggunakan Diagram Konteks, Diagram Arus Data (DAD), *Entity Relational Diagram* (ERD) dan Diagram Jenjang. Sedangkan tahap implementasi membangun sebuah sistem distribusi menggunakan Bahasa pemrograman *Delphi* & dan *MySQL*.

Sistem yang dibangun menghasilkan program aplikasi sistem informasi Pengolahan data distribusi barang di PT. Bummy Harapan Umat untuk mengelola data distribusi Gas Lpg 3kg dan Penerimaan Pemesanan, laporan distribusi Gas Lpg 3kg menjadi suatu bentuk laporan data penerimaan pemesanan dan distribusi barang.

**Kata Kunci :** Aplikasi, Distribusi, Delphi7