

RANCANGAN BASIS DATA LAPORAN PENELITIAN DIBALAI PENELITIAN DAN
PENGEMBANGAN GAKI MAGELANG *DESIGN OF DATABASE OF RESEARCH REPORT
IN OFFICE OF RESEARCH AND DEVELOPMENT GAKI MAGELANG*

Oleh: HASTIN DYAH KUSUMAWARDANI -- E2A205028
(2007 - Skripsi)

Keberadaan basis data sangat berperan dalam menyediakan informasi yang diinginkan. Pengelolaan laporan penelitian di BP2 GAKI Magelang masih terdapat beberapa kelemahan yaitu belum mempunyai basis data dan pencatatan masih menggunakan tabel dalam *microsoft word*. Tujuan dari penelitian ini adalah merancang basis data laporan penelitian di BP2 GAKI Magelang. Jenis penelitian adalah deskriptif. Subyek penelitian adalah petugas di Seksi Pelayanan Teknis, Program dan Evaluasi, serta Peneliti di BP2 GAKI. Obyek penelitian adalah data laporan penelitian. Tahapan penelitian sesuai dengan tahap-tahap perencanaan sistem basis data yaitu perencanaan sistem, analisis sistem, desain sistem secara umum dan desain sistem terinci. Hasil penelitian diperoleh tahap perencanaan yang mencakup latar belakang perencanaan sistem, ruang lingkup dan tujuan perancangan basis data. Analisis sistem yang ada dapat mengidentifikasi masalah yaitu kecepatan, keakuratan, kelengkapan, kebersamaan mengakses informasi masih kurang. Teridentifikasi juga titik keputusan yaitu proses pengolahan data dan proses penyimpanan data dan informasi. Serta kebutuhan informasi pengguna yaitu laporan identitas peneliti, laporan penelitian dan grafik kegiatan penelitian. Rancangan basis data secara umum mendapatkan dua tabel input yaitu tabel peneliti dan laporan penelitian, sesuai dengan diagram konteks dan diagram alir data. Rancangan basis data secara terinci menghasilkan tiga tabel dalam bentuk normal yaitu tabel peneliti, golongan dan laporan penelitian. Ketiga tabel dijelaskan lagi dalam kamus data, dan dilengkapi dengan flowchart pemasukan dan editing hingga tampilan data. Rancangan basis data yang dihasilkan berbentuk tabel peneliti, tabel golongan dan tabel laporan penelitian. Diharapkan adanya basis data laporan penelitian yang berbasis komputer di Seksi Pelayanan Teknis dan pembagian tugas di seksi tersebut.

The presence of database system important in in providing needed information. Management of research report in BP2 GAKI Magelang still had weakness that are not yet had database and record-keeping still used tables by microsoft word. Objective of this research is to designing database of research report in BP2 GAKI Magelang. Type of research is descriptive. The research subject are officers in section of Tecnical Service, Program and Evaluation, and reseachers in BP2 GAKI. The research object are data of research report. The research phases are according to database system design, there are system planing, system analyzing, system design in general and daitailed system design. Result of research in obtained planning phase including system design background, scope, and target of database design. Existing system analysis can identify the problems of speed, accuracy, completeness, and simultaneous acces of information still less. Also identified decesion points that are data-procesing process and data and information storage process. Also consumer requirement of information that is researcher identity report, research report, and graphical research activities. In general, database design get two input tables of reseachers and their research report, according to context diagram and flowchart of data. Detailed database design yield three normal tables that is tables of researcher, their group, and their research report. All of three tables explained again in data dictionary, and provided with input flowchart and iditing until data display. The yielded

database design in from of tables of researcher, tables of their group, and tables of research report. The existing computer based research report database in Technical Section Service and its job description is expected.

Kata Kunci: Basis data,Laporan penelitian *database, research report*