

ABSTRAK

Kompleksnya basis data perusahaan Departemen Tenaga Kerja dan Transmigrasi membuat petugas kabupaten kesulitan membuat laporan berkala untuk Provinsi. Konsep dan implementasi fragmentasi horisontal pada sistem basis data terdistribusi melalui skripsi ini, diharapkan akan mengatasi persoalan di atas, sehingga petugas kabupaten dapat menyelesaikan laporan berkalanya dengan cepat dan mudah.

Konsep dan implementasi fragmentasi horisontal pada sistem basis data terdistribusi ini menggunakan metodologi *waterfall*, yang tahap – tahapnya meliputi *analysis, design, coding, testing* dan *maintenance*. Penulis mengembangkan sistem sampai pada tahap *testing*. Hasil implementasi berupa sebuah sistem yang terdiri dari 2 subsistem, yaitu aplikasi kabupaten dan aplikasi provinsi. Implementasi menggunakan Visual Basic 2005, MySQL, dan Sqlyog.

Berdasarkan angket yang disebar ke 15 responden, disimpulkan bahwa konsep dan implementasi ini bermanfaat bagi kabupaten dan provinsi, terutama untuk pembuatan laporan berkala dan pemantauan perkembangan perusahaan sewaktu-waktu. Konsep dan Implementasi ini juga mudah diterapkankan pada kabupaten dan provinsi.

ABSTRACT

The complexity of the database in the Sleman Region Office of Social Labour and Family Planning in Yogyakarta Special Province causes some difficulties to make periodic reports for Office of Labour and Transmigration of Yogyakarta Special Province. Those difficulties are caused by the usually used process was done manually by sending the hardcopy from Office of Sleman Region Social Labor and Family Planning to Office of Labour and Transmigration of Yogyakarta Special Province. Moreover, the implementation of horizontal fragmentation on this shared database is random and not logically connected. The implementation of horizontal fragmentation on shared database within this thesis, hopefully, will help to solve the difficulties; therefore regional officers may finish their periodic reports quicker and easier.

This implementation of horizontal fragmentation on shared database uses waterfall methodology consists of steps such as: analysis, design, coding, testing and maintenance. The researcher developed the system until testing phase. The results of the implementation are a system consists of 2 subsystem, regional application and province application. In this thesis, shared database system using horizontal fragmentation method was implemented by the help of Microsoft Visual Basic 2005, MySQL, and Sqlyog.

Based on the poll on 15 respondents, it is concluded that this implementation is beneficial for region and province, especially for making periodic reports and the evaluation of company development at any time. This implementation is also easy to be applied in region or province.