ABSTRACT

The development of information technology in the business so rapidly makes many companies began to apply it to support their business processes. There is no exception for PT. Telehouse Engineering (TE) as a manufacturing company has applying information technology to support their business processes. Although the application necessary for the development of the existing information technology and align with business processes in the company so that information technology can support competitiveness and transformation of the company.

To answer the problem of PT. Telehouse Engineering (TE) was required an appropriate solution. Enterprise architecture can be the right solution for dissolve this problem, because it can make the conformity between information technology development with business proccess wich suitable with company requirment. Enterprise architecture implementation affected by the company situation on planning and designing enterprise architecture wich needed for make the conformity between information technology with busineess processes.

In designing enterprise architecture framework needed to be a reference design. TOGAF ADM is one of framework that can be used as a reference in building enterprise architecture because it has three main phases, namely the development of enterprise architecture there are business architecture, information systems architecture, and technology architecture. The focus of this research is in the phase of information system architecture consisting data architecture and application architecture. The output from this research are the blueprint of data acrhitecture and application architecture. Blueprint consists of catalogs, matrices, charts, and a roadmap that describes the details, resource usage, and the estimated time in the development of information technology at PT. Telehouse Engineering

Key words : Enterprise Acrhictecture, Data Architecture, Application Architecture, TOGAF ADM, PT. Telehouse Engineering