

ABSTRACT

Dinas Bina Marga dan Pengairan (DBMP) of Bandung City is one of government technical institutions that has region authority in the field of public works of the scope of highways and water resources leaded by a chief and has responsibility to official secretary through Bandung Mayor. In the globalization era nowadays, company should be able to adapt towards fast information technology evolution, has been being common things because using information technology could support the company's business activities. In running the business activities, DBMP has not exploited the existing information technology maximally, because DBMP doesn't have internal application to support internal process business, especially in data and information exchange among the divisions. Also, in running the business activities, DBMP supported by several divisions, such as Planning Division, Developing and Maintenancing of Highways Division, Developing and Maintenancing of Water Resources Division, and Controlling Division.

To adapting company into fast information technology evolution, DBMP needs an technology architecture designs in order to align company's needs of business and the using of technology. Enterprise Architecture could be become as a methode to align that matters. In Enterprise Architecture, there is a framework that could be used as a guideline in designing architecture, named TOGAF ADM. There are 9 phases in TOGAF ADM, but this research is only focus on the first five phases, i.e. architecture vision, business architecture, information systems architecture(data and application), technology architecture, and opportunities and solution to maintenancing function of DBMP of Bandung City.

In designing architecture, MEGA Suite choosen and used to result deliverables, i.e. catalogs, matrices, and diagrams.

By the resulted output, that is architecture designs blueprint, it is expected to become the reference or base for DBMP in developing information technology to support the company's business activities.

Keywords : enterprise architecture, TOGAF ADM, framework