

ABSTRACT

The Ministry of Energy and Mineral Resources, Directorate General of Minerals and Coal, is a government agency engaged in mining, mining licensing services, safety of mining, and so on. To achieve the objectives of the Ministry of Energy and Mineral Resources, the Directorate General of Minerals and Coal has an enterprise architecture which is a tool to support department needs. “Rencana dan Laporan” are groups responsible for managing the information system assisted by the use of information technology.

In the development of enterprise architecture in the “Rencana dan Laporan” group, there were still gaps between systems in both the main activities and support activities, so an enterprise architecture design was created using the Architecture Development Method, The Open Group Architecture Framework 9.2 (ADM TOGAF 9.2). ADM TOGAF 9.2 has phases that are used as a reference in designing enterprise architecture in this study, namely the preliminary phase, architecture vision, business architecture, data architecture, application architecture, technology architecture, and opportunities and solutions.

This research presents solutions to the problems that exist in the 4 main pillars of enterprise architecture, namely business architecture, data architecture, application architecture, and technology architecture, and includes gap analysis, which can be used as a reference in developing information systems and information technology in the future.

Keywords: *Enterprise architecture*, information system, information technology, Rencana dan Laporan groups, *Architecture Development Method The Open Group Architecture Framework 9.2*.