The development of information technology (IT) in the higher education aims to improve the quality, effectiveness, efficiency, and accountability of education and teaching. IT is a resource in the enterprise and is a key factor to determine the success of higher education in achieving its vision and mission. Policy taken by the management in the implementation of IT as something apart from business processes shows the efforts of development and maintenance of IT in the future does not have a clear direction, so that emerging problems solved in a reactive mode and lets the same problems will be reappear on future. This is a constraint in achieving alignment of technology investments with the business needs of higher education. Enterprise architecture is a way to build the IT architecture of an organization which focuses on the business architecture, data architecture, application architecture and technology architecture.

The methodology used in this research is the TOGAF framework. TOGAF provides methods and tools to build, manage and implement IT architecture and maintenance. Key elements of TOGAF is Architectur Development Method (ADM) which provides features for IT architecture development process. ADM consists of 8 stages, namely; The initial framework and Principles, Architecture Vision, Business Architecture, Information Systems Architecture, Technology Architecture, Opportunities and Solutions, Migration Planning, Implementation Planning and Change Management Architecture.

Aspects that will be discussed in this research about the development of IT architecture at the University of Muhammadiyah Pontianak (UMP) with the scope of research is limited on aspects of Tri Dharma university constitute the core business at the UMP. While the output of this research is a document of IT blueprint as in the limits of this research scope.

Keywords: Enterprise architecture, information systems, information technology, information technology blueprint, TOGAF ADM.