PRAKTIKUM 03: PEMODELAN PROSES BISNIS - BPMN

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TUJUAN PEMBELAJARAN

Mahasiswa dapat memahami definisi dan konsep dasar proses bisnis dan sim

Mahasiswa dapat memahami permodelan proses bisnis atau *business process modelling*

Mahasiswa mampu memahami dan menggunakan *tools* pembuatan diagram proses bisnis

Mahasiswa mampu mempraktikkan pembuatan diagram proses bisnis menggunakan *Business Process Modeling Notation (BPMN)*

REFERENSI

Kendall, K.E. and Kendall, J.E., 2014. Systems Analysis and Design, Global Edition 9e.

Wasson, Charles S., 2005. System analysis, design, and development : concepts, principles, and practices. A Wiley-Interscience publication.

O'Brien, James and Marakas, George.,2010. Management Information Systems, 10th Edition: McGraw-Hill_Irwin.

McLeod, R. and Schell, G.P., 2006. Management information systems. Pearson/Prentice Hall

Bourgeois David., 2019. Information Systems for Business and Beyond. Pressbooks

LINK DOWNLOAD REFERENSI

http://gen.lib.rus.ec

https://www.omg.org/bpmn/index.htm (khusus BPMN)

https://www.omg.org/spec/BPMN (spesifikasi BPMN)

MATERI

Pengertian BPMN, UML, dan DFD menurut Bourgeois:

BPMN is an extension of the traditional flowchart method by adding more diagramming elements for descriptions of business process. The objective of BPMN is to support business process documentation by providing intuitive notations for business rules. The flowchart style diagrams in BPMN can provide detailed specifications business processes from start to end. However, BPMN is short of the ability of system decomposition for large information systems.
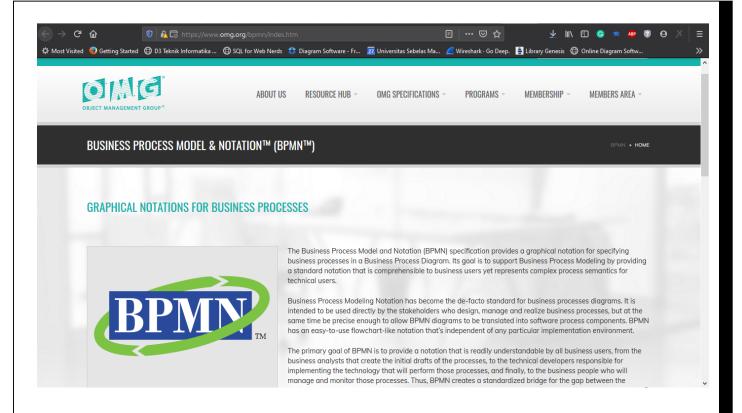
DFD has served as a foundation of many other tools of documentation of business process. The central concept of DFD is a top-down approach to understanding a system. The top-down approach is consistent with the system concept that views a system in a holistic manner and concerns an understanding of a system by examining the components and their interactions within the system. More importantly, while describing a business process by using DFD, the data stores used in the process and generated data flows in the process are also defined.

The Unified Modeling Language (UML) is a general-purpose modeling tool in the field of software engineering for constructing all types of computerized systems. UML includes a set of various types of diagrams with different subjects of modeling and diversified graphics styles. The diversified diagrams in UML can provide detailed specifications for software engineering in many perspectives for construction of information systems, but could be too complicated for documenting business processes from the perspective of business process management.

BPMN

Business Process Model and Notation (BPMN) adalah representasi grafis untuk menggambarkan rangkaian proses bisnis dalam suatu sistem informasi. BPMN versi 2.0.2 dirilis pada bulan desember 2013 dikembangkan oleh *Object Management Group (OMG)*. Tujuan dari BPMN adalah untuk mendukung manajemen proses bisnis, baik untuk pengguna teknis dan pengguna bisnis, dengan notasi yang yang telah disepakai dan menjadi standar, sehingga semua institusi atau organisasi dalam sistem dapat mengerti.

DRAWING TOOL

Tambahan drawing tool yang bisa dipakai untuk membuat diagram program bisnis:

https://www.bonitasoft.com/

https://www.bonitasoft.com/downloads (download dan install)

Bizagi Modeler

TUGAS

1. Pahami, jelaskan dan artikan notasi yang ada pada BPMN versi 2.0.2

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