

**DEVELOPING SCHEMA OF DATA EXCHANGING USING BUSINESS TO
MANUFACTURING MARKUP LANGUAGE (B2MML),
STUDY CASE AT PT. COCA-COLA AMATIL INDONESIA**

By

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

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This thesis aims to introduce Business to Manufacturing Markup Language (B2MML) in Swiss German University as a standard of data exchanging process in manufacturing industry. B2MML could increase the work productivity between departments in manufacturing process area and increase the time productivity in transferring data process between each department using the international standard of data exchanging (ISO 15926) and Extensible Markup Language (XML) as the markup language. To simplify the user target, XML schema definition (XSD) is developed in this research. B2MML is chosen as development methodology due to its scope in manufacturing area. The results of this thesis are three developed XSD that will proposed to the target company, which is PT. Coca-Cola Amatil Indonesia. In conclusion, XSD development will be very useful for the future work in manufacturing area. Furthermore, B2MML can be used to develop other research related to integration of manufacturing system in Industrial Engineering Department of Swiss German University.

Keywords: Data Exchanging, ISO 15926, Extensible Markup Language, Business to Manufacturing Markup Language, XML Schema Definition



DEDICATION

I dedicate this thesis to Allah SWT, my parents, my thesis advisor and co-advisor, my sister and all my friends, for their lot of love and support they gave me.



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