

*Undergraduate Thesis  
Computer Science Department  
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**DESIGN AND IMPLEMENTATION OF DECISION SUPPORT SYSTEM  
FOR SELECTING PRODUCT VALVE  
WITH AHP METHOD**

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**ABSTRACT**

*Slow process for product selection can be bad for business process. The system are built so the business process will become faster and accurate. One of the problems faced by PT. Citra Global Dinamika are the slow selection of valve products that must be followed from conditions and also the choices of consumers. Therefore, the author decides to create a system so the process of valve product selection can be faster and more accurate.*

*For developing this system, the authors apply the Analytical Hierarchy Process method or we can call it AHP which is the method for determining the selected valve product. This system was developed using WPF, C# programming language and XAML.*

**Keywords:** *valve, control valve, product selection, AHP, analytical hierarchy process, WPF, C#, XAML.*