Universiti Teknologi MARA

The impact of implementing Personal Software Process (PSP) on Organizations

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ABSTRACT

The Personal Software Process (PSP) is a self-improvement process designed to help you control, manage and improve the way you work (Humphrey, 1995). It is a structured framework of form, guidelines and procedures for developing software. Properly used, the PSP provides the historical data you need to better make and meet commitments and it makes the routine elements of your job more predictable and more efficient. The purpose of this research is to determine the awareness on selected companies either they realize or not with the elements of PSP on their organization. So that, one staff from each company will be interview to gather this information. The interviews questions are about PSP key process areas, the elements of PSP and also form that have been introduced by Watts Humphrey in PSP where these companies use or not. The percentage will be stated base on what the researcher has found from the interview sessions.

CHAPTER 1

INTRODUCTION

1.1   Background

As mentioned by Watts S. Humphrey in his book, *"A Discipline for Software Engineering"*, the Personal Software Process (PSP) is a self-improvement process designed to help individual control, manage and improve the way they work. It is a structured framework of forms, guidelines and procedures for developing software. Properly used, the PSP provides the historical data individual need to better make and meet commitments and it makes the routine elements of our job more predictable and more efficient.

Personal software process (PSP) is a defined and measured software process design to be use by an individual software engineer. Its intended use is to guide the planning the development of software module or small programs, but it is the adaptable to other personal task. PSP is based on process improvement principles and it extends process management and control to the software engineer. With PSP, engineer develops software using a disciplined and structured approach.

PSP can be applied in any organizations which produce product. By implementing the PSP on an organization and individual, we can identify the quality of the product and the performance of individual who are responsible in producing the product.

The reason for this research implemented is to identify the awareness of PSP on selected company. The percentage of PSP on each selected company will be state base on the elements that have been identified by the researcher through interview session.