**IMPACT OF RISK MANAGEMENT RELATED TO PRODUCT LIFE CYCLE IN MEDICAL DEVICE INDUSTRY IN MALAYSIA**

**by**

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**Abstract**

The conceptual paper is based on the impact of risk on effective risk management interventions being carried out in the Medical devices industry of Malaysia. The research is specifically based on quantitative assessment in which 400 experts shall be approach and a statistical connection to be obtained. For this purpose, the core independent variables of risks such as product life cycle (pre-market, placing to market and post market) shall be evaluated to determine its strong impact related to the effective risk management and desired outcomes can be attained related to it.

The current research is based on the identification of the risk management level and its impact on the production and development of the medical devices in the Malaysian context as Malaysia recently emerges as the market of producing medical devices, therefore, it is significant to adopt the current quantitative study to identify the risk levels during product life cycle involved in Malaysian medical technology industry. The aim of the research is to identify the risk factors and the best practices which can help in avoiding the risk level to the maximum level in the utility of the medical devices. The literature highlighted that risk is not always in the same manner in each product cycle, the risk differ in terms of the product life cycle stages and also the risks have been categorized differently which makes the impact of risk different. The research is done with the aim of using the primary questionnaire as the tool to gather data from experts in the field, the questionnaire will help in further proceeding with the quantitative analysis of the response of the experts about the level of risks involved during product life cycle of medical devices in Malaysian context as the responses are collected from Malaysian experts of medical industry. However the overall research is going to be a great input for the manufacturing companies as well as the researchers to identify the key risk factors and to work on improving the conditions of using the medical devices to avoid the risk level involved during its product life cycle.