

## ABSTRACT

*One of company's occupational health programs is disease management which is a part of preventive health care. In its realization, it was discovered that there some challenges in data collection, monitoring of catering and sport activity, employee health reports, and medical costs. The purpose of this study is to design an IT solution for the disease management program at PT. Panasonic Manufacturing Indonesia (PMI). The diseases in focus are diabetes, hypertension, and tuberculosis. Methodology starts with survey on PT. PMI requirements, research parameters, problem analysis, literature study, and system design. Solution is focused on designing a registry system that includes Alert Management System, Food Tracking, EHR, Sport Tracking, Guidelines, and Report System. The results of this study is a web-based information system that can assist health care workers in seeking data, monitoring food intake and sport activity, and reporting systems for upper-level management.*

**Keywords:** *health care, IT solution, disease management, registry system*

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*Salah satu program kesehatan kerja sebuah perusahaan adalah disease management yang merupakan bagian dari preventive health care. Dalam pelaksanaannya terdapat kesulitan dalam mencari data, memantau makanan dan aktifitas olahraga, pembuatan laporan kesehatan karyawan, dan biaya pengobatan. Studi ini bertujuan merancang solusi teknologi informasi pada program disease management PT. Panasonic Manufacturing Indonesia (PMI). Cakupan penyakit pada studi ini adalah diabetes, hipertensi, dan tuberculosis Studi dimulai dari survei terhadap kebutuhan PT. PMI, mencari parameter ketiga penyakit tersebut, analisis masalah, studi literatur, dan perancangan sistem. Solusi difokuskan pada perancangan sistem registry yaitu Alert Management System, Food Tracking, EHR, Sport Tracking, Guidelines dan Report System. Hasil studi ini adalah sistem informasi berbasis web yang dapat memudahkan petugas kesehatan kerja dalam mencari data, memantau makanan dan aktifitas olahraga karyawan; serta sistem pelaporan untuk top management.*

**Kata kunci:** *health care, solusi TI, manajemen penyakit, system registry*