

## INTISARI

CV Kusuma Buana adalah perusahaan yang bergerak di bidang bisnis Teknologi Informasi, bisnis utamanya yaitu menjual jasa dan beberapa product layanan digital, beberapa produk Teknologi Informasi di perusahaan tersebut perlu dikelola dengan dukungan teknis yang aman, fleksibel, dan efisien. Produk tersebut bertujuan akan didistribusikan dalam jumlah banyak serta secara terus menerus dengan sistem software as a service berbasis cloud. Namun agar layanan dapat terjangkau bagi para client maka harga yang ditawarkan pun tidak terlalu tinggi akan tetapi client pun menginginkan segi keamanan yang terjamin. Maka tidak memungkinkan bagi para pengembang melakukan proses deployment yang memakan waktu serta konfigurasi berlebih yang akan membuat cost pengeluaran yang terlalu tinggi. Agar setiap asset digital dari CV Kusuma Buana dapat dimaintenance dengan baik, maka perlu adanya container yang mampu mengatur setiap distribusi data akses pada server seefisien mungkin. Berdasarkan permasalahan tersebut, maka diperlukan pemecahan solusi yaitu pengembangan product software as a service (saas) secara otomatisasi menggunakan docker container. Menggunakan platform Docker Container pengembangan product digital perusahaan berhasil memaksimalkan resource dalam satu server guna meminimalisir cost yang perlu dikeluarkan serta dapat dikelola dengan aman, fleksibel, dan efisien.

Kata kunci: Bisnis, Produk, Docker, Container, deployment

## **ABSTRACT**

*CV Kusuma buana is a company engaged in the Information Technology business, its main business is selling services and several digital product services, several Information Technology products in the company need to be managed with safe, flexible and efficient technical support. The product aims to be distributed in large quantities and continuously with a cloud-based software as a service system. However, in order for the service to be affordable for clients, the price offered is not too high, but clients also want guaranteed security. So it is not possible for developers to carry out a time-consuming deployment process and excessive configuration which will make expenses too high. So that every digital asset from CV Kusuma Buana can be maintained properly, so it is necessary to have a container that is able to manage each distribution of data access on the server as efficiently as possible. With these problems, a solution is needed, namely the development of product software as a service (Saas) automatically using the Docker container. By using the Docker Container digital product development platform, the company has succeeded in maximizing resources on one server to minimize costs that need to be incurred and can be managed safely, flexibly, and efficiently.*

*Keywords: Business, Product, Docker, Container, deployment*