

ABSTRACT

Website is a collection of pages in one domain that contains various information in the form of image, illustration, video, and text content that can be viewed and accessed by internet users using search engines. Websites are built for various purposes, ranging from company profiling, company management or certain substances, military interests, personal interests, as a medium of information, even to help improve the quality of education. Microservices is an architecture or can be said to be a method in developing an application or software that includes websites, mobile, internet of things, to cloud services. Where each service runs independently and communicates with each other depending on the needs of the application used. The design and development of systems and applications will be carried out in several stages with the hope that the system and website applications can work optimally and can be implemented immediately.

This study aims to design and create a microservices-based course website application to help students, students, and mentors to be more productive during the current pandemic by using a microservices-based web architecture. The research method used in designing and building the myMentor website application is a literature study, the data collection stage to determine the material needs needed by students and students, system design, coding, and continued with the testing stage to test the system before it is implemented.

The result of this research is the creation of a learning media in the form of a microservices-based website application called myMentor where there are mentors who will share their knowledge with students. In this research, it is hoped that it will help students to improve their knowledge and help mentors to channel their knowledge so that they can be more productive during this pandemic..

Keywords: *Microservices, Websites, Courses, Mentors, Students, Knowledge.*