

## ABSTRACT

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*The COVID-19 pandemic requires everyone to carry out the teaching and learning process from home or what is commonly called distance learning. Likewise, the teaching and learning process at SMA Prestasi Prima. Various problems also arose, including students having difficulty understanding the lesson, attendance lists that had to be done 2 times which made it difficult for students, and messy attendance data, to the many applications students and teachers had to use in implementing online learning. To deal with this problem, a Learning Management System was built. Learning Management System is a website-based application that is used to carry out the teaching and learning process online. The methodology of working on this application uses the Waterfall model. The programming language used to build this application in PHP uses the CI framework, and the database used is MySQL. With this application, it is expected to be able to facilitate teachers and students in carrying out the teaching and learning process online.*

*Keywords: Online learning, Learning Management System*