

## **ABSTRACT**

*SMA Santa Maria 3 Cimahi is a private high school in the city of Cimahi. SMA Santa Maria 3 Cimahi has been established since 1992 and is under the auspices of the Yayasan Penyelenggara Pendidikan Salib Suci Bandung.*

*SMA Santa Maria 3 Cimahi has many teachers and students. Where the teaching and learning process is done traditionally. Providing material by the teacher is still only through learning in the classroom, even though the learning time in the classroom is certainly very limited. In conducting exams such as quizzes, daily tests, midterm, and final exam also uses paper. This results in wasteful use of paper. Provision of announcements that only through morning apples and also sheets of paper on the bulletin board at school. So it is limited in accessing disclosure information. Also the use of various kinds of media to do learning.*

*From these problems, we need a system or application developed to help teachers and students who act as administrators to manage teacher and student users, manage classes, manage subjects, and assist in managing communication. E-Learning website named BeBright is an application that is used to help the teaching and learning process in terms of providing material and online exams for teachers and students. By using the BeBright application, teachers can easily provide material and exams to students online through one application.*

*The BeBright application will be developed using the Laravel framework and the MySQL database. The method used in this study is the extreme programming method. Extreme programming method is an application development method that is suitable for making BeBright applications, because it is flexible in the manufacturing process, and is suitable for the scope of problems which only covers material, examinations, and disclosure online. By using the extreme programming method, features are produced that can help the admin of the BeBright application. Among them are user management features, class management features, subject management features, and disclosure management features which can later be seen by teachers and students.*

*In conclusion the BeBright application successfully meets the needs of schools in terms of learning. And now learning can be done with just one medium, the BeBright application, and can be accessed anywhere, because the BeBright application can be accessed via [bebright.my.id](http://bebright.my.id). In the future, it is expected that in terms of appearance to be more responsive.*

*Keywords: E-Learning, Extreme Programming, Website Application Development.*