ABSTRACT

SDN 05 Surabaya is an elementary school located in the city of Lubuk Basung, Agam Regency, West Sumatra. This elementary school has many students with 13 classes and is one of the favorite elementary schools in the city of Lubuk Basung, but this school still uses conventional wall magazines to put information and according to one of the teachers there also stated that it is difficult to update or maintain the information on the mading because there are still some students who are not aware of the importance of the information presented, this school also does not have a website page to disseminate information on the internet so that it is difficult for the general public to reach it.

Making this web-based online mading using the Laravel Framework, and displayed on the monitor as an E-mading using a Raspberry pi, this Raspberry pi will also function to store online mading data internally so that if there is a school internet problem in the long term, the school can display this online wall magazine without using the internet, and the previously entered information can be updated properly because the connected Raspberry pi has the feature.

The results of the test The results of the functionality test show that all online wall magazine functions have been able to run well and in accordance with the design. The results of the development of online mading as a whole can run with appropriate data communication, both accurate and well.

Keywords: online magazine, e-magazine, laravel framwork, raspberry pi.