# *ABSTRACT*

***DEVELOPMENT OF CHILDREN MONITORING PROTOTYPE IN SLB C SUKAPURA KIARACONDONG KOTA BANDUNG***

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*In this study, the method of collecting data used questionnaires, interviews, and literature studies. The design stage used for the development of this application is the waterfall method. Student tracking devices developed using a microcontroller to improve accuracy and reduce the price of student tracking devices used in previous research. Add SMS gateway notification feature and to make geofencing dynamic using drawing tools. The results of tests carried out are known that the location accuracy sent by student tracking devices becomes more accurate for outdoors, the costs that parents have to buy tracking devices become cheaper, application notifications do not require internet, and geofencing can be changed or dynamic. But the disadvantage of this study is that student tracking devices are less accurate in the room. An ugly student tracking device induced by a satellite signal cannot penetrate a thick wall. The conclusion obtained is that the accuracy of the tool is more accurate, the costs that need to be spent are decreased, the application can be used without the internet, geofencing can be changed in shape.*

*Keywords : monitoring, the child with special needed, geofencing, sms gateway, drawing tools*