

**STUDENT PRESENCE APPLICATION WITH GEOLOCATION
WEB-BASED & MOBILE ANDROID
(Case Study: SMA Negeri 6 Madiun City)**

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ABSTRACT

Student attendance is the activity of recording student attendance at school at each subject meeting in one semester. The practice of student attendance at SMA Negeri 6 Madiun City uses paper media orally during face-to-face (offline) and makes google forms in every online (online) meeting. Presence practice which is done conventionally starts from the process of making attendance, validating attendance and recap of attendance taking a long time because it is done one by one and manually. To minimize the presence problems that have been described above. Researchers are trying to implement an online presence system with geolocation via smartphones and websites. This study applies Geolocation technology which can be used to determine the location of student attendance and the Web and Android as a media for processing attendance data. The results of the attendance application with geolocation are attendance data that includes student location data so that cheating can be minimized and the results of the attendance data recapitulation can be accessed directly through the website. Based on the research conducted, it can be concluded that attendance with geolocation helps teachers work and minimizes errors and fraud in the attendance process.

Keywords: Presence, Geolocation, Web, Android.