Abstract— **Multiplatform development aims to develop applications that are able to run on multiple platforms. However, multiplatform development usually has issue where the application does not run exactly the same on every platform. Development using the Flutter framework allows multiplatform applications to run from a single codebase. This research utilizes this framework to develop a multiplatform application, called Ahulang, a simple attendance check-in app as the experimental subject. This paper aims to determine the benefits of using the Flutter framework by analyzing the application portability based on ISO 9126. This study proposes several metrics to measure portability using several quality factors described in ISO 9126. These metrics are then used to evaluate the portability performance of Flutter framework. The final result shows that Flutter effort portability is 0.81 and other portability subfactors showing relatively high scores, such as an adaptability score of 0.59, an installability score of 100%, and a coexistence score of 100%. From the obtained results, it can be concluded that the Flutter framework is suitable for developing multiplatform applications as shown by have high portability scores.**

Keywords—application, portability, multiplatform, flutter, measurement.