# ABSTRAK

Ekananda Yanwar Julianto, 2022 **Implementasi Markerless Sebagai Media Pengenalan Varian Virus Covid Bebasis Mobile** Tugas Akhir, Progam Studi Teknik Informatika (S1), STIKI MALANG, Pembimbing : Chaulina Alfianti Oktavia, S.Kom., M.T

Kata kunci: *Covid-19, Augmented Reality, Smartphone, Markerless*

Virus Covid-19 telah menjadi pandemic global sejak akhir Desember 2019. Virus tersebut ditemukan di kota Wuhan Cina dengan nama sars cov 19. Virus Covid-19 penyebaranya sangatlah cepat di dunia tak terkecuali di Indonesia. Varian virus Covid-19 diantaranya adalah varian delta, gamma, iota, Dsb. Untuk menunjang pengenalan jenis virus Covid-19 dirancang sebuah aplikasi Augmented Reeality yang dapat memberikan informasi tentang jenis, bentuk, karakter, penyebaran, gejala, dan informasi lainnya. Aplikasi *Augmented Reality* bersifat markerless dapat menampilkan bentuk augmented dari jenis-jenis virus covid tersebut. Hasil pengjian menunjukan bahwa aplikasi berfungsi dengan baik dan dapat memberikan informasi secara akurat dan mudah dipahami.Dengan menggunakan fitur *Augmented Reality* informasi dapat tersampaikan dengan lebih menarik.

# ABSTRACT

Ekananda Yanwar Julianto, 2022. **Implementation of Markerless as an Introduction Media To The Variant of Mobile-Based Covid Viruses**. Final Project, Study Program Technical Information S1, STIKI – MALANG, Advisor 1 : Chaulina Alfianti Oktavia, S.Kom., M.T

Keyword: *Covid-19, Augmented Reality, Smartphone*

The Covid-19 virus has become a global pandemic since the end of December 2019. The virus was found in the Chinese city of Wuhan under the name Sars Cov 19. The Covid-19 virus spread very quickly in the world, including in Indonesia. The variants of the Covid-19 virus include the delta, gamma, iota, etc. variants. To support the identification of the type of Covid-19 virus, an *Augmented Reality* application has been designed which can provide information about the type, shape, character, spread, symptoms, and other information. *Augmented Reality* applications that are markerless can display augmented forms of these types of covid viruses. The test results show that the application functions properly and can provide information accurately and easily understood. By using the *Augmented Reality* feature, information can be conveyed more interestingly.