

FULLFACE MASK DESIGN INNOVATION
FROM BALSA WOOD
(E MASK)

By

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ABSTRACT

We are currently facing a pandemic that requires the use of masks anywhere, anytime and by anyone. However, in its development, various problems in using masks continue to emerge. Among them, such as difficulty breathing, pain in the ear lobe, disrupting the surface of the nose, not closing the eyes and unable to see the full facial expression of the other person. This study aims to provide a solution that has a concrete impact on solving problems that occur in conventional masks. The mask I developed is called E Mask. This mask has gone through various kinds of trials such as being used indoors, AC and non-AC, used for outdoor activities, cycling etc. The advantages possessed by Emask are that the interlocutors can see each other's faces, the mica on the mask covers all facial surfaces such as a faceshield, air can only enter through the filter valve, when used for sports, especially for running and cycling, the supply of air entering the mask will be more much so that it reduces the symptoms of shortness of breath, and protects the face when it falls forward.