

ABSTRACT

Asthma Bronchiale is inflammation bronchus disease caused by abnormally of body immunity system that respiration system become too sensitive by several factors. They are including asthma as physic physiological and paroxysmal causing the asthma patient must be avoiding physicist factor causes a stress and environment lowest temperature to get away from asthma attacking. Asthma therapy implements aroma and water steaming therapy can be made as one alternative solution to be developed as effective problem solve.

Designing and developing product of asthma therapy are modeled in alpha prototype. It's early modeling of actual product that planes to be produced and made with real components, shape, dimension, and production materials but not yet comprehensive studying about steps of producing process. The objectives of modeling with alpha prototype in designing and developing product of asthma therapy are finding design product that has effective concept, ergonomic, and efficient. Beside them, this research tries to effort understanding user needs by doing early market research with collecting functional value objective to get a quality of design product.

Non technically, beside aroma and water steaming therapy techniques have known enough in social life, they also supported and recommended by vary world class health institutions like GINA and WHO determining therapy methods as important support procedure in medical specially for asthma disease. Beside that, the objective of research activity to eliminate the trigger factors of asthma attacking can't be longer delayed because they has been caused too much destructive social impact in society. Technically, both of therapy technique can be developed with process standardization concept. Next, technical design result of alpha prototype will be going though a systematically tests procedure. The result of this procedure will be evaluating to get alpha prototype performance in actualizing design concept and how close the concept will be able to satisfy user needs.

Keywords: Alpha prototype, Asthma therapy, and Water steaming therapy.

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