

CHAPTER VI

CLOSING

This chapter contains conclusions and suggestions from the results of designing motor box designs for drug distribution purposes.

6.1 Conclusion

The goal to be achieved in this research is to redesign drug distribution motor box so that it is in accordance with the provisions, desires, and convenience of PT Penta Valent motorbike drivers and distributor companies. The resulting design uses the design thinking method with a focus on the needs and desires of consumers.

Determining customer pain and gain using the value proposition canvas is useful for understanding user problems in more depth, so that the technical responses obtained are more optimal. The material used uses fiberglass which has good temperature resistance. The inside of the topbox is again covered with 5mm polyurethane foam foil. On the outskirts of the box is equipped with a groove so that the water that will enter is stuck in that part of the groove, plus it is held in place with rubber so that water is difficult when it enters the box. How to use the box using the swingarm concept makes it easier for drivers to fill up gas and the swing concept which only burdens the topbox makes it easy for drivers to lift the box. From the answers in the comparison table it can be seen that the proposed design can overcome the pain and gain of the user so that it can optimize the distribution process.

6.2 Suggestion

The researcher's suggestion for further research is to better understand the use of the SolidWorks application so that when carrying out a more accurate loading simulation test, it is also hoped that future researchers will include thermal calculation considerations so that the product is more optimal.

