

CHAPTER VI

CONCLUSION

This chapter contains the conclusions of the research results based on the objectives as well as suggestions for improvement for further research.

6.1 Conclusions

The conclusions that can be obtained from this study are:

1. The condition of motorcycle parking is not based on standard yet, because there is no parking line so it is difficult for the service providers to know the capacity of available parking space.
2. The amount of parking space that can accommodate motorcycle according to the standard of the available land area is 551 spaces. While the demand is maximum at 1038 spaces.
3. The condition of the car parking lot already has a parking line. However, during busy times, parking area that should be only one layer made into two layers, thereby it will be reducing the width of the road/alley.
4. The number of parking spaces that can accommodate car according to the existing condition is as much as 319 spaces. While the demand is maximum at 453 spaces.
5. According to standard-based layout arrangement for car, it can be concluded that the wider the parking angle, the more convenient the driver would be, but it also gave the less parking space, viceversa. There are four scenarios that this study built for the hospital to choose the parking pattern they want to apply. These scenarios are based on the parking angle. For the same parking land size, 90° angle would make up to 265 parking spaces, 60° would make 197 parking spaces, 45° would make 158 parking spaces, and 30° would make 117 parking spaces.
6. Planning on the proposed layout improvement is done by referring to the Directorate General of Land Transportation regulation (1996), after evaluating the current condition of parking lot, there are no space

elimination for parking area of motorcycle. But for car, there is a reduction in parking spaces caused by adjustments to standard sizes. The reduction of parking space for car is varied based on the applied parking pattern.

7. This study proposes a layout improvement of parking lot according to the standards of Directorate General of Land Transportation (1996), with various parking pattern for car. This proposed improvement would give different parking space and different total area needed. This study also proposes additional parking space for cars to be placed on PJKa vacant land with a better parking layout and for motorcycle in a vacant area next to administration building to improve parking service capability.
8. This study also proposes managerial alternatives which are vehicle regulation for employee and escalating parking price to discourage a long term parking.

6.2 Suggestions

Suggestions that can be given as a recommendation in subsequent research are:

1. RSUP Dr Djamil Hospital may consider to increase parking area and change some parking patterns for the convenience of hospital visitors. Some recommendations have been built based on the standardized parking size, the hospital can choose based on its priority.
2. It is suggested to the future research to consider the use of underground parking building technology to increase the parking space by utilizing existing land.