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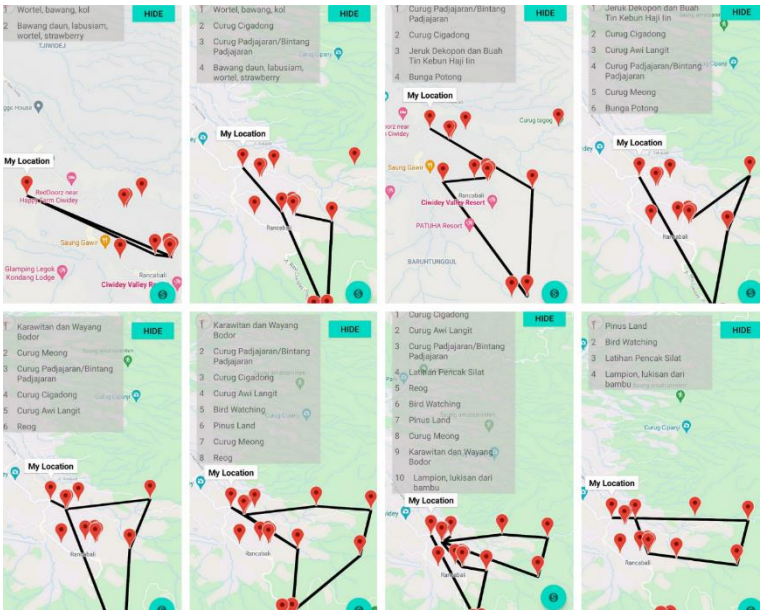

Figure 12. Recommendation Results Jalan Cikembang

Table 5 takes two samples of the location of the tourist starting point, namely Jalan Raya Cibodas and Jalan Cikembang. The schedule of the tourist attractions is taken from Table 1. From the 2 locations, it can be seen that there are differences in the recommendations for each hour given by the Genetic Algorithm, and the total distance and total fare also differ in results, the output of the recommendations generated by the genetic algorithm can be seen in Figures 11 and 12.

4. CONCLUSION

Based on the results of tests that have been carried out in the process of forming tourist attractions recommendations with a Genetic Algorithm that using mutation probability 1.0 and Crossover Probability 0.6, can produce a Mobile Application with a Genetic Algorithm as a tourist spot recommendation system in Desa Alamendah. In addition, it also can provide recommendations, namely displaying tourist points, route using Google Maps. The rental fee is based on the total distance traveled.

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