

Wildlife lookout Space is an elongated area/lane or group, the use of which is more open, a place to tend to an animal. One of its functions, namely in socioeconomic. Wildlife lookout Zoo Space, is as a medium of communication for an urban city, recreation areas, places for education, and research. In order to provide education to visitors, there is usually a label containing the name of the species in front of its cage. The existence of a tag or label on the zoo cage provides many benefits, but this also has a weakness, namely, how to burden the memory of the learner's capacity manually and the information provided is not enough. From the problems above, the writer has an alternative to create a collection of information systems data in zoo spaces based on QR Code to facilitate visitors in obtaining more information.

QR-code has several features, such as large-capacity data encoding, high-speed readings, small file sizes. QR-codes are more effective than selecting manual searches for learning regardless of the target number. The way this system works is that the user scans the QR-code installed in front of the animals cage, after the code is scanned the system sends information to the server and the information will come out, with that the process is considered complete. The proposed method is not only cheap and cost-effective but also helps users without experiencing any hassle. This system is expected to help visitors to get information quickly and easily. This system is made in the form of an Android-based information system. Therefore, when visitors want to see a collection of animals but are constrained by distance, time, or other, visitors can access it through the Android application via smartphones at home or anywhere with conditions connected to the internet.

#### Problem Identification

Based on the background, the author can identify the problems for the development of this application, as follow:

- a) How to design an application that show animals information in Wildlife lookout zoos.
- b) How to implement QR code scanner in application
- c) How to add Multilanguage feature in application

#### Purpose

The purpose of this system development are listed as follows:

- a) This application is used to give more information of animal in Wildlife lookout areas.
- b) One of the author goals is to raise awareness amongst public to understand the importance of animals and give them the ability to easily get information on animals.
- c) This application is used to educate the public on a strong emphasis on scientific research and species conservation.

#### Limitation

In this final project, to get optimal results. Then it needs to be limited to what things will be researched and done. Problems will be limited to:

- a) This application can only be operated in a smartphone supports OS (Operating System) Android version 6.0 (Marshmallow) and above.
- b) Information used in system build for general purpose, not depend on one place.
- c) This application only support English and Indonesia language
- d) The application only can be used when the user's mobile phone is connected to the internet.