

I. INTRODUCTION

There are many livestock farms in Indonesia, one of which is rabbits. Rabbits do not require extensive cultivation land due to their high growth rate, efficient use of feed, short harvest time, and small size. Rabbit commodities can be used as pets or as an alternative to fulfil animal protein needs [1]. Although fairly easy, rabbits must still be monitored for all activities to ensure that the rabbit is doing well. Rabbit farmers must always pay attention to rabbit behaviour regularly if they want to increase the productivity of their farms. Rabbit behaviour can be seen from its activity patterns in the form of eating, sleeping, and movement [2].

However, there are still many obstacles faced by rabbit farmers, one of which is the difficulty in monitoring the activity of their livestock because it is still done manually. This can cause negligence in monitoring, which results in rabbit stress and death, causing significant economic losses [3].

Existing monitoring methods, such as CCTV, are usually used to identify animals or to maintain security [4]. However, the use of CCTV cannot provide in-depth data related to rabbit activity.

Therefore, it is very important to use the Internet of Things (IoT) for the development of rabbit activity monitoring tools [5]. With IoT, the data collected by the sensors can be analyzed to gather more information about how the rabbits move.

The use of Naïve Bayes (NB) as a method in the application of the rabbit farm animal monitoring system has the ability to overcome the borders of the previous system. This is because Naïve Bayes algorithm is valued for its simplicity, efficiency, and ability to handle both discrete and continuous data, so that it can assist in monitoring the activities of rabbit farm animals more effectively [6].

The application of this IoT system with the Naïve Bayes method is expected to increase accuracy in data collection and analysis, as well as improve the system's ability to make more precise and fast decisions based on the data collected.