**MATRIX OF REVISION NOTE**

Paper ID : 14116

Title : The Automatic Classification System for Academic Performance Evaluation at the Faculty of Information Technology Atma Jaya University of Makassar

Authors : Erick Alfons Lisangan, Dwi Marisa Midyanti, Chairul Mukmin

|  |  |  |
| --- | --- | --- |
| **No.** | **Reviewer’s & Editor’s Comments** | **Revision\*** |
| 1. | Fig-1 is too small and uninformative. Please explain in paragraphs (notas pictures). Figure 2 should also be explained as a paragraph (not as animage) | ……., namely the performance evaluation based on the satisfaction scale value (poor to very good) and comments for suggestions (Fig. 1).In Fig. 2, it can be seen the number of FTI UAJM students for the last 2 years with an average of around 149 students.[Page 1] |
| 2. | The attributes in Table 1 should use English. Similarly, Figure 6 shouldbe in English | Table 1 Figure 6[Page 6] |
| 3. | The discussion about the website (Figure 10 - 15) is not quite right. Itis better to discuss NBC's performance in resolving this issue. | All of Section III [Page 7-10] |
| 4. | There has been no discussion regarding NBC's performance | All of Section III [Page 7-10] |
| 5. | It is said that the distribution of data for Facilities and Performancecategories is 101 and 315, while for Satisfied and Dissatisfied sentimentsare 172 and 244. This distribution is not balanced, so it is not appropriateif NBC is used. Please give a more concrete explanation, why is NBC used to solve this problem? | Based on this result, it can be said that Naive Bayes Classifier is very sensitive with the imbalanced data. However, it still can get the good result and performance with an accuracy value above 0.8 for Scenario II and III in both of Category and Sentiment label and could become the process model to support the evaluation system. The main reason is because the algorithm works by calculated the probability for each word and the possible classes[Page 10] |
| 6. | Based on the reality of the data distribution, and after knowing theperformance results using precision, recall, and accuracy, whatrecommendations are given? | Still, the implementation of the others classification methods, such as Support Vector Machine, k-Nearest Neighbour, is required in the future works as a comparison with Naïve Bayes Classifier’s result.[Page 10] |

\*Write down the revised section and the correction results, including page numbers.