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# Classification of Al-Qur'an Arabic Verses Used Naive Bayes

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#### ARTICLEINFO ABSTRACT Article history: The development of information globally is very fast, it demands the provision of media information can be enjoyed and felt quickly and precisely. Al-Qur'an as a medium of information in the classical form and contains of science, life, etc. that Received: Apr 13, 2022 must be distributed to all human beings orally, in writing, and daily behavior, Revised: May 10, 2022 especially in the field of Islamic laws and aspects of social procedures in Islam. Accepted: May 29, 2022 This study applies a classification technique using the method Naïve Bayes which there are three classes or categories namely Sholat (Prayer), Hajj and Wedding. Keywords: The grouping of these verses takes data from the book of LubaabutTafsir Min Ibn Kathir which later obtained accuracy results 75.52%. Al-Quran,

Al-Quran, Classification, Naïve Bayes, Text Mining.

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# 1. Introduction

The development of information globally is very rapid, demands the provision of such information media can be enjoyed and felt quickly and precisely [1]. So it is necessary in the aspect of information media must comply with existing norms and procedures. Al-Qur'an as a medium of information in classical form but contains knowledge, life, etc.must be distributed to all human beings orally, in writing, and in daily behavior, especially in the field of Islamic laws and aspects of social procedures in Islam.

Al-Qur'an Al-Karim introduces himself with various features and characteristics. One of them is that Al-Qur'an is a book whose authenticity is guaranteed by Allah, and it is a book that's always maintained [2]. Inna nahnunazzalna al-dhikrawainnalahulahafizhun (Indeed, We sent down the Qur'an and We are the Preservers of Him) (Surah Hijr: 9) [3]. Thus God in guarantee of the authenticity of the Qur'an, the guarantee given is on the basis of His omnipotence and majesty, and thanks to the efforts of His creatures, especially the beloved of Allah, which consists of friends, tabi'in, tabi'ittabi'in, and their successors, namely Ulama [2]. One of the virtues of reading the Qur'an is that it will be elevated by Allah SWT, asthe Prophet Muhammad SAW has been said, namely: Umar bin Khattabra said that the Messenger of Allah had said, "Verily Allah will raise people with this book (the Qur'an), with it Allah will also bear the other people" (HR Muslim) [4]. That Al-Qur'an which in it there are verses of the word of Allah SWT is a source of reference for Muslims both in the field of worship, social, political, mu'amalah (buying and selling transactions) etc..

In Al-Qur'an there are 30 juzes and 114 surahs and 6666 verses, and in the verses there are several sources of reference for Muslims both in the field of monotheism (divinity), wisdom of example, science, Islamic law etc.. Of the many problems of Muslims which refers to the verses of Al-Qur'an, this research focuses only on taking the basics of Islam contained in the verses of the Qur'an. In which there are several verses about marriage, sholat, mu'amalah, hajj, fasting and many other verses contained in Al-Qur'an.

In this study, we will discuss the classification of Arabic texts, especially in the verses of Al-Qur'an, for the text classification methods that have been used in research, such as N-gram [5], k nearest neighbor (k-NN) [6], Decision Tree [7], Naïve Bayes (NB) [8], Support Vector Machine (SVM) [9] Maximum Entropy (ME) [10], these are several methods that have been proposed in text classification.

Below it is a summary of several related studies on the classification of Arabic texts namely Naïve Bayes By El-Kourdi [11] for automatic classification of Arabic text documents. In this study, it produced an



average accuracy of 68.78% and the best accuracy yields 92.8%. In this case El-Kourdi used a number of 1500 text documents which have 5 categories. Every 300 text documents has one category. all the words in the document are converted to the text root of each document. The word size of the sum result is 2,000 conditions/roots. cross-validation was used for evaluation.

Maximum Entropy (ME) is used by El-Halees [10] for Arabic text classification and Sawaf et. Al [12] (2001) to classify and cluster the news articles where the best accuracy reported by El-Halees was 80.4% and 62.7% obtained by El Sawaf.

Association Rules are used by El-Halees [13], and Al-Zoghby [14] to classify the document of Arab. The accuracy reported by Al-Halees shows 74.41%. Al-Zoghbyused the CHARM algorithm and demonstrated its superiority over soft-matching was larger O exact matching. Al-Zoghby used a corpus consisting of 5524 records. Each record is a snippet of the email that has the subject of "Nuclear". The vocabulary size after removing stopwords and punctuation marks is 103,253 words. The average document text size is 18 words. Some words from the document text that have been converted to the root form.

Harrag et. al. [7] improved the classification of Arabic text with the selection of Hybrid features Approach. Harrag uses the Algorima Decesion tree and the classification reports accuracy from 93% for the scientific corpus and 91% for the literary corpus. Harrag collects 2 corpora: the the first is from the scientific insklopedia "Do You Know" هل تعلم (it contains 373 documents which has 1 to 8 categories (innovation, geography, sports, famous people, religion, history, Human bodies, and cosmology), from each category have 35 documents. second corpus derived from the hadith insklopedia (موسوعة الحدث الشرف) (from 9 books موسوعة الحدث الشرف) ini contains 435 documents It has 14 categories.

KNN has been implemented by Al-Shalabi et. Al. [6] in arabic texts, they use tf-idf as a scheme for weighting and gaining 95% accuracy. They also apply stemming and feature selection. The authors report in their paper a free issue public shortage for the availability of arabic corpus. They collected an Arabic corpus from several newspapers (Al-Jazeera, An-Nahar, Al-Hayat, Al-Ahram, and Ad-Dostor) and from the website Agriculture Organization. The corpus consists of 621 documents that have 1 to 6 categories. 9 (politics 111, economics 179, exercise 96, health and medicine 114, health and cancer 27, agriculture 100). They have implemented corpus with the removal of stopwords and light stemming.

Leila Kheisat [15] used N-gram frequency statistics in classifying Arabic texts. The writer showed the high dimensional text data with mapping document text in setting real numbers which represents the tri-gram frequency profile. The N-gram method is independent language and works well with the noisy-text case. Tri-grams for the word (المسافر) adalah (المسافر) adalah (المسافر). Kheirsat classifies the textdocumentswith a test to calculate Manhattan / Dice similarity distance measures for all training documents and sets the class of the training document to the smallest / distance calculated largest to test the text documents. Kheirat reports that Dice outperforms Manhattan in terms of measure distance. Although Manhattan has provided good classification measures for English text document, it does not seem suitable for Arabic text document. Kheirat collects His corpus of Jordanian newspapers (Al-Arab, Al-Ghad, AlRa'I, Ad-Dostor). It has 1 to 4 corpus categories (sports, economy, weather, and technology). It applied stopwords removal and use 40% for training and 60% for testing.

Faozi H. and El-Qawasmah[16] have used Neural Network (NN) for classification Arabic text. The results of their experiments, showed that in the use of NN with Singular Value Decomposition (SVD) as a feature technique of choice provides better results i.e. (88.3%) compared to basic NN (without SVD) (85.7%) they also experienced high scalability with dimension text datasets using NN. Harrag collects his corpus from Enklopedia hadith from 9 books. It contains 435 documents that have 14 category. He applied light stemming and stopwords removal on his corpus. tf-idf for used as a weighting scheme.

Naïve Bayes has a high level of accuracy to classify Arabic text [17]. Some of the advantages of Naïve Bayes method are the simplicity in computation, it also has several shortcomings in assumptions that are very difficult to fulfill, namely the independence of word features [18]. The Naïve Bayes method in classifying Arabic texts only focuses on general language, specifically this research will be applied in classifying the Arabic text of the verses of Al-Qur'an in categorizing several verses about Islam taken from several existing verses, for the verses related to this research there are only three categories of verses, namely about Sholat, Hajj and Marriage where some of the verses in the categorization are taken from the Lubaabut Tafsir Min Ibn Kathir.

In this study, Naïve Bayes will be applied to classify the Arabic text of the verses of Al-Qur'an to classify several verses contained in the Qur'an with accurate results.

## 2. Method

### 2.1 Types of research

The type of research carried out in this research is the experimental method, namely to determine the effect of the Naïve Bayes method on the classification of the Arabic text of the verses of Al-Qur'an in text categorization with the results of the Recall, Precision, and Accuracy values which are implemented in testing text data which is then followed by the implementation on rapidminer and see the level of Recall, Precision, and Accuracy values which are better.

# 2.2 Method of collecting data

Based on the source, the data of this study were obtained from secondary data which obtained from existing sources, for example the data obtained from sources of the Book, Hadith, etc. For this research, the data obtained is the data of the verses of Al-Qur'an, which is taken from the website <a href="https://www.textminingthequran.com">www.textminingthequran.com</a> in text format that has been sorted according to the number of verses in Al-Qur'an so that it is easy to import it into the database for continuation research, and the categorization of the verse is taken from the classic book, namely Lubaabut Tafsir Min Ibn Kathir as for the categories that have been selected, namely:

**Table 1**Categories of Selected Qur'anic Verses

Category
Sholat Verse
Sholar Verse
Hajj Verse
Marriage verse

As for the categorization, the author quoted from several sources of the yellow book, that is the book of figh in which there are already special chapters that discuss this category.

### 2.3 Proposed Settlement Method

In classifying the Arabic text of the verses of Al-Qur'an, it is necessary to the proposed method then it is used to classify the verses of Al-Qur'an. The method used in this research is the Naïve Bayes Classification (NBC). In the formation of the classification of the Arabic text, it is intended to determine the content of the verses of the Qur'an and to know the accuracy of the verses according to the categories above.

# 2.4 Experiment and Test Method

Before determining the data test, that is in the form of verses of Al-Qur'an that have been preprocessed. The form of the process can be described as shown below.

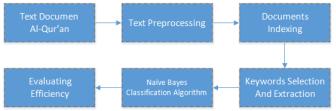


Fig 1: Method Testing Process

Some of these processes can be concluded, namely;

- a. Document text is Al-Qur'an that will be classified.
- b. Preprocessing text where the basic words are taken by using the stemming process algorithm after preprocessing text that is stage
- c. Document Indexing where in one document there are a number of different categories of text after that
- d. Keyword selection and extraction in this process will select several keywords for sorting out the verses of Al-Qur'an.
- e. Categorization Algorithm or classification of verse groups according to the category of verses and final
- f. Evaluation of the text accuracy in determining the Islamic laws that have been determined



# 2.5 Evaluation and Validation Results

To see the success of an algorithm in classifying Arabic text, the desired verses of Al-Qur'an are to look at the results of testing and training to see the good accuracy level.

### 3. Results and Discussion

# 3.1 Data Preparation

In this study, the data used were sourced from Al-Quran which was obtained from the website www.qurandatabase.org in the form of xlsx or excel format and also Al-Quran without standard (harkat) sourced from www.textminingthealquran.com. which in this research will discuss the classification of the verses of Al-Qur'an which consists of 114 surahs and 6666 verses in the whole. In this study, what will be discussed is the issue of Sholat, Hajj and Marriage. The process is by sorting out the verses of Al-Qur'anand from these verses, several stages will be carried out, namely prepossessing the text of the Qur'anic document, followed by classification process and continued with the evaluation of the series of research processes. Below this is a document of Al-Qur'an before the prepossess of the text. The tables below are part of the texts that will be discussed to carry out the classification process. As for the stages the evaluation will use the overall data.

Table 2
Al-Qur'an Document

Document	Verse	Class
D1	لَّالَّيْهَا النَّاسُ اتَّقُوْا رَبَّكُمُ الَّذِيْ خَلَقَكُمْ مِّنْ نَّفْسِ وَّاحِدَةٍ وَّخَلَقَ مِنْهَا زَوْجَهَا وَبَثَّ مِنْهُمَا رِجَالًا كَثِيْرًا وَّنِسَاءً ۚ وَاتَّقُوا اللهَّ الَّذِيْ تَسَاءَلُوْنَ بِهٖ وَالْأَرْحَامَ ۗ إِنَّ اللهَ كَانَ عَلَيْكُمْ رَقِيْبًا	Merriage
D2	وَاقِيْمُوا الصَّلْوةَ وَاثُوا الزَّكُوةَ وَارْكَعُوْا مَعَ الرَّاكِعِيْنَ	Sholat
D3	وَاقِيْمُوا الصَّلْوةَ وَاتُوا الزَّكُوةَ وَارْكَعُوْا مَعَ الرَّاكِعِيْنَ	Sholat
D4	يَّاتُهَا الَّذِيْنَ الْمَنُوْا لَا تُحِلُّوْا شَعَابِرَ اللهِ وَلَا الشَّهْرَ الْحَرَامَ وَلَا الْهَدْيَ وَلَا الْقَلْامِدُ وَلَا الْقَلْامُ وَالْقَلْوُلُوا وَلَا اللهِ وَالْمَسْجِدِ الْحَرَامِ اَنْ صَدُّوْكُمْ عَنِ الْمَسْجِدِ الْحَرَامِ اَنْ قَاصْطَادُوْا وَتَعَاوَنُوْا وَتَعَاوَنُوْا عَلَى الْإِثْمِ وَالْعُدُوانِ وَالتَّقُولَ وَلَا تَعَاوَنُوْا عَلَى الْإِثْمِ وَالْعُدُوانِ وَالتَّقُوا اللهِ اللهِ اللهِ اللهِ اللهِ اللهِ اللهِ اللهِ اللهِ اللهُ اللهُ اللهُ اللهُ اللهِ اللهِ اللهِ اللهِ اللهِ اللهُ اللهِ اللهُ اللهِ اللهِ اللهِ اللهِ اللهُ اللهُ اللهِ اللهُ اللهِ اللهِ اللهِ اللهِ اللهِ اللهُ اللهِ اللهُ اللهِ ال	Hajj
D5	وَمِنْ الْيَهَ اَنْ خَلَقَ لَكُمْ مِّنْ انْفُسِكُمْ اَزْوَاجًا لِّتَسْكُنُوْ اللَّيْهَا وَجَعَلَ بَيْنَكُمْ مَوَدَّةً وَرَحْمَةً ۚ إِنَّ فِيْ ذَٰلِكَ لَاٰيتٍ لِْقَوْمٍ يَتَفَكَّرُوْنَ	Merriage
D6	وَ اَنْكِحُوا الْآيَامٰي مِنْكُمْ وَالصَّلِحِيْنَ مِنْ عِبَادِكُمْ وَاِمَابِكُمُّ اِنْ يَكُوْنُوْا فُقَرَاءَ يُغْنِهِمُ اللهُ مِنْ فَضْلِهُ وَاللهُ وَاسِعٌ عَلِيْمٌ	Merriage
D7	وَاللّٰهُ جَعَلَ لَكُمْ مِّنْ انْفُسِكُمْ اَزْوَاجًا وَجَعَلَ لَكُمْ مِّنْ اَزْوَاجِكُمْ بَنِيْنَ وَحَفَدَةً وَرَزَقَكُمْ مِّنَ الطَّيِّبِ أَقْبِالْبَاطِلِ يُؤْمِنُونَ وَبِنِعْمَتِ اللهِ هُمْ يَكْفُرُونَ	Merriage
D8	وَاللّٰهُ خَلَقَكُمْ مِّنْ تُرَابٍ ثُمَّ مِنْ نُطْفَةٍ ثُمَّ جَعَلَكُمْ اَزْوَاجًا ۗ وَمَا تَحْمِلُ مِنْ اُنْشِي وَلَا تَضَعُ إِلَّا بِعِلْمِهُ وَمَا يُعَمَّرُ مِنْ مُّعَمَّرٍ وَلَا يُنْقَصُ مِنْ عُمُرِهٖ اِلَّا فِيْ كِلنَّا ِ اِنَّ ذَلِكَ عَلَى اللّٰهِ يَسِيْرٌ	Merriage
D9	وَاسْتَعِيْنُوا بِالصَّبْرِ وَالصَّلُوةِ ۗ وَإِنَّهَا لَكَبِيْرَةٌ إِلَّا عَلَى الْخَشِعِيْنُ	Sholat

Document	Verse	Class
D10	وَ اَقِيْمُوا الصَّلُوةَ وَاتُوا الزَّكُوةَ ۗ وَمَا تُقَدِّمُوْا لِاَنْفُسِكُمْ مِّنْ خَيْرٍ تَجِدُوْهُ عِنْدَ اللهِ ۗ إنَّ اللهَ بِمَا تَعْمَلُوْنَ بَصِيْرٌ	Sholat
D11	اَجَعَلْتُمْ سِقَايَةَ الْحَاجِّ وَعِمَارَةَ الْمَسْجِدِ الْحَرَامِ كَمَنْ اَمَنَ بِاللَّهِ وَالْيَوْمِ الْأُخِرِ وَجَاهَدَ فِيْ سَبِيْلِ اللَّهِ ۖ لَا يَسْتَوْنَ عِنْدَ اللَّهِ ۗ وَاللَّهُ لَا يَهْدِى الْقَوْمَ الظَّلِمِيْنَ	Hajj
D12	وَمِنْ كُلِّ شَيْءٍ خَلَقْنَا زَوْجَيْنِ لَعَلَّكُمْ تَذَكَّرُوْنَ	Merriage
D13	وَمَا خَلَقْتُ الْجِنَّ وَالْإِنْسَ إِلَّا لِيَعْبُدُونِ	Sholat
D14	وَجَاهِدُوْا فِي اللَّهِ حَقَّ جِهَادِهٖ هُوَ اجْتَلِيكُمْ وَمَا جَعَلَ عَلَيْكُمْ فِي الدَّيْنِ مِنْ حَرَجٍّ مِلَّةَ اَبِيْكُمْ إِبْراهِيْمٍ هُوَ سَمَّيكُمُ الْمُسْلِمِيْنَ هُ مِنْ قَبْلُ وَفِيْ هَذَا لِيَكُوْنَ الرَّسُوْلُ شَهِيدًا عَلَيْكُمْ وَتَكُوْنُوا شُهَدَاءَ عَلَى النَّاسِ فَاقِيْمُوا الصَّلُوةَ وَاتُوا الزَّكُوةَ وَاعْتَصِمُوْا بِاللَّهِ فَهُوَ مَوْلُكُمْ فَنِعْمَ الْمَوْلَى وَنِعْمَ النَّصِيْرُ	Sholat
D15	وَ اتُوا النِّسَاءَ صَدُفْتِهِنَّ نِحْلَةً ۗ فَاِنْ طِبْنَ لَكُمْ عَنْ شَيْءٍ مِّنْهُ نَفْسًا فَكُلُوْهُ هَنِيْـًا مَّرِيْـًا	Merriage
D16	وَإِنْ خِقْتُمْ اَلَّا تُقْسِطُوْا فِي الْيَتِمٰى فَانْكِحُوْا مَا طَابَ لَكُمْ مِّنَ النِّسَاءِ مَثْنَي وَثَلْثَ وَرُبِعَ ۚ فَإِنْ خِقْتُمْ اَلَّا تَعْدِلُوْا فَوَاحِدَةً اَوْ مَا مَلَكَتْ اَيْمَانُكُمْ ۗ ذٰلِكَ اَدْنَى اَلَّا تَعُوْلُوْ ۗ	Merriage
D17	وَلَا تَنْكِحُوا الْمُشْرِكُتِ حَتّٰى يُوْمِنَ ۗ وَلَامَةٌ مُّوْمِنَةٌ خَيْرٌ مِّنْ مُشْرِكَةٍ وَلَوْ اَعْجَبَتْكُمْ ۚ وَلَا تُنْكِحُوا الْمُشْرِكِيْنَ حَتّٰى يُؤْمِنُوا ۗ وَلَعَبْدٌ مُّوْمِنٌ خَيْرٌ مِّنْ مُّشْرِكٍ وَلَى النَّارِ ۗ وَاللَّهُ يَدْعُوْ اللَّهَ الْجَنَّةِ وَالْمَغْفِرَةِ بِإِذْنِهُ وَيَبَيِّنُ النِّهِ النَّاسِ لَعَلَّهُمْ يَتَذَكَّرُونَ	Merriage
D18	فَجَعَلَ مِنْهُ الزَّوْجَيْنِ الدَّكَرَ وَالْأَثْثَى ۗ	Merriage
D19	وَمَاۤ أُمِرُوۡۤا اِلَّا لِيَعْبُدُوا اللّٰهَ مُخْلِصِيْنَ لَهُ الدِّيْنَ هُ حُنَفَاءَ وَيُقِيْمُوا الصَّلُوةَ وَيُؤتُوا الزَّكُوةَ وَذٰلِكَ دِيْنُ الْقَيَّمَةِ	Sholat
D20	وَ اَقِمِ الصَّلُوةَ طَرَفَيِ النَّهَارِ وَزُلَفًا مِّنَ الَّيْلِ ۗ إِنَّ الْحَسَنٰتِ يُذْهِبْنَ السَّيِّاتِّ ذَلِكَ ذِكْرَى لِلذَّاكِرِيْنَ	Sholat

The data in the table above are several documents before being classified and will then preprocess the documents.

# 3.2 Preprocessing Al-Quran Documents

The stages carried out in processing Al-Quran documents before classifying documents are Preprocessing where these stages aim to weight the terms which will then be continued with the document classification process while the stages are as follows:

a. The process of separating several words (tokenization)

Tokenization is a process of separating text from several rows of words in a sentence, paragraphs or in a page which later becomes a token or single word snippet (termed word). This stage also removes certain characters such as punctuation marks and then changes all tokens to small words (lower-cases).

b. Filtering Process,(Filtration)

Filtration is a process that is determined by the term to be used for the process document prepresentation so that it can describe all the contents of the document and can distinguish one document from another in collection. Term conversion process to the basic form of the word (Stemming).

# c. Term Weighting Process (Term Weighting)

Term Weighting is a process to give a weight according to weighting rules that have been selected, whether weighting locally, globally or a combination of both. In this case, many applications apply a combined weighting of the two, namely the multiplication of local weights or also called term and global inverse document frequency, abbreviated as tf-idf.

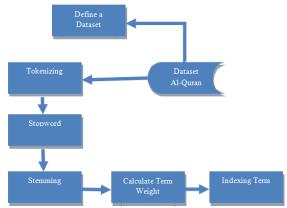


Fig 2: Preprocessing Document Text Chart

From some of the documents listed in table 2, the stages of preprocessing will be carried out as in Figure 2 after doing some screening and stemming, the terms and the appearance of TF will be obtained. After the process of calculating the inverse document frequency (IDF) as the formula for equation 2.2. from the results of the calculation, the next step is to classify paragraphs into several classes.

### 3.3 Document Classification

The next stage is the classification process after doing the text preprocessing stage. In this study, the process of determining the classification of Al-Quran documents uses Naïve Bayes. The stages before the classification process are:

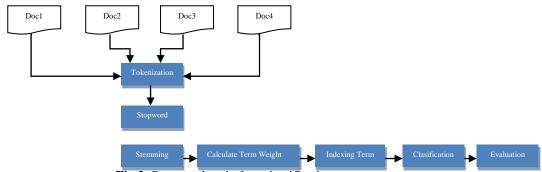


Fig 3: Process chart before classification

In the picture above, it is explained that the stages after pre-processing text will be continued with the classification stage, namely using Naïve Bayes which is then forwarded to the evaluation process. The formula for the Naïve Bayes algorithm is as follows:

$$P(Wk \mid Class) = \frac{nk+1}{n+vocabulary}$$

Wk = Term Type Class = Category Class

Nk = Number of occurrences of term in categoryN = Number of term that appear in the category

Vocabulary = Sum of all terms

From the classification process with sample data 20 documents and 3 categories produce accuracy, recall and prescession as follows:

Table 3 Results from a sample of 20 documents with 3 categories

			<u> </u>	
Category	Rercall	Precission	Accuracy	
Sholat	90.00%	81.82%		
Најј	62.50%	71.43%	70.00%	
Merriage	0.00%	0.00%	70.0070	
merriage	0.0070	0.0070		

### 3.4 Evaluation and Results

In this stage, several series of trials and evaluations will be explained. That is the stages of training and testing of a number of Al-Quran documents are carried out as for the process as above and a test process will be carried out for other verses. This trial process will use data from 100 Al-Quran documents from a number of trials so that the accuracy, recall value, and precision can be obtained as follows:

Table 4 Result of the experiment

		1		
	True Marriage	True Sholat	True Hajj	Class Precission
Marriage Prediction	33	7	1	80.49%
<b>Sholat Prediction</b>	7	36	4	76.60%
Hajj Prediction	1	3	8	66.67%
Class Recall	80.49%	78.26%	61.54%	

From the table of prediction results, it can be concluded that

- The value of True Positive (TP) for Marriage is 33, Sholat7, Hajj 1, and the value of other than TP is a. False Negative (FN).
- While the recall class is a column that has a large value for the right classification, for example, the b. recall class from a marriage with the right classification is as follows:

$$TP = \frac{TP}{TP + FN} = \frac{33}{33 + 7 + 1} = \frac{33}{41} = 0.8048 = 80.49\%$$

While the class precision is the row that contains the exact classification value. For example the class c. precision of the proper classification of marriage is as follows:

$$TP = \frac{TP}{TP + FN} = \frac{33}{33 + 7 + 1} = \frac{33}{41} = 0.8048 = 80.49\%$$

d.

While accuracy is the result percentage from the correct classification that can be obtained by means. 
$$TP = \frac{TP + FN}{TP + FN + FP + FN} = \frac{33 + 36 + 8}{33 + 7 + 1 + 7 + 36 + 3 + 1 + 4 + 8} = \frac{77}{100} = 0.77 = 77\%$$

Text classification accuracy results

Category	Rercall	Precission	Accuracy
Sholat	80.49%	80.49%	
Најј	78.26%	76.60%	77.00%
Merriage	61.54%	66.67%	

### 4. Conclusion

Based on the results of experiments that have been carried out, namely the classification of the Arabic text of the verses of Al-Qur'an can be explained that the Naïve Bayes Algorithm for classifying Arabic texts of Al-Quran verses produces a good accuracy that is 77.00%.

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