

Development of speaking material in english for nursing

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Abstract. Learning material is important for students, unfortunately finding the appropriate material is not easy. One of the cause is the online and commercial materials cannot cover the students need and curriculum. This research aims to develop the appropriate speaking materials for nursing students. This study was Research and Development (RND). The population and sample was 105 nursing students that divided into two groups, experimental and control group. The experimental group used the speaking material developed, and the control group used the commercial material. The data come from pre-test, post-test, questionnaire and observation. The findings are there are four aspects in five units that should be developed, such as topic, language, organization, design, and exercise. Moreover, the students speaking also analyzed based on fluency, coherence, grammatical, accuracy and pronunciation. The result of calculation in the experimental group has the significant value with p value $< 0,05$ and in the control group, the p value is $> 0,05$. Therefore, it can be concluded that 1) Based on the effectiveness analysis of five units, the low category from 4% become 0% and the high category from 71% become 87%. 2) Based on the judges, the judges strongly agree the speaking material that has been developed strongly appropriate for the students. It can be seen from the score from English lecturer is 4,65, from expert judges is 4,39 and from stakeholder is 4,57. 3) There is a significant improvement after using speaking material after developed. Keywords: speaking material, learning material, English for Nursing

1. Introduction

In Indonesia, English is one of the subject that taught from elementary school until university. Moreover, English becomes the foreign language that must be understood by the students. In the university level especially in non-English department, English becomes the supplementary subject that a must be mastered for the students. However, as the supplementary, every university must create the goals of learning English, include in Nursing Program of University Muhammadiyah Kudus.

English consist of four skills such as listening, speaking, reading and writing. But in class, most of the learning process focuses on learning grammar, then understanding the text. Furthermore, one of the basic skill in communication is speaking (Afitska, 2016) . Someone can be said she/he can communicate using English if she/he can speak English. Learning speaking is the way how the students express their main and idea by speaking (Kuber, 2018)

Speaking will help the students to improve their communication skill both transactional and interpersonal in term of nursing skill and nursing competence. For nursing students, the speaking material must focus on the specific purposes and they need. Moreover, the purpose of learning English is able to communicate especially related to the nursing activities effectively (El-Sakka, 2016). The



important of English is needed by the students because every student have a chance to join in the student exchange program and the training program in abroad and also working abroad.

By learning English, it can facilitate the students to improve their English competence especially in speaking. But, many cases happen when the nursing students use the book or the commercial material. We can find the speaking material in the commercial books and internet but they are not suitable with the students' condition, and need analysis. To have good speaking skill, the students need sufficient language input from the lecturer and also environment. Fitri (2017) stated that book or workbook can be one of the key factors that can improve our speaking competence. Materials is important in teaching and learning process, especially in speaking class. The learning material is needed to prepare and manage the learning material (Manggo, 2019). Therefore, the learning material must be based on the students need and it must be able to stimulate and facilitate the students. Learn to speak need more time and lot of practice are essential to enlarge language input. Practice regularly is also considered to have contribution to make the speaking competence better (Syaifullah 2011).

One of the way is by using book as the guidance to speaking English for Nursing. The book consists of materials that provides a lot of opportunities for the students to speak (Sismiati, 2012). Moreover, by using book, the students have opportunity gaining feedback on the effectiveness of their attempts at communication. That is why the English learning materials for the nursing students need to be developed based on the real needs in their field of study. Based on the description above, the purpose of this research is to develop speaking material in English for Nursing

2. Methods

This research belongs to Research and Development (RND). There are six steps, such as doing need analysis, planning, designing the materials, evaluating and revising. The population and sample is 105 students of nursing bachelor in the fourth semester. There are two types of group in sample, they are experimental group and experimental group. The experimental group is treated by using the book that has been developed. And the control group is treated by using the commercial material (book). This research uses qualitative and quantitative data. The qualitative data is the interview and the quantitative data is the questionnaire. The highest percentages of the answer in the questionnaire become the considered to represent the students' need. Moreover, the researcher also analyzed the result of pretest and posttest. The analysis is done through statistical analysis

3. Finding

Based on the analysis, there are result of pretest and posttest can be seen in table 1.

Table 1. The Result of Pretest and Posttest in the Control and Experimental Group

No		P Value
<i>Control Group</i>	<i>Pretest</i>	
	<i>Posttest</i>	<i>0.063 (>0.05)</i>
<i>Experimental Group</i>	<i>Pretest</i>	
	<i>Posttest</i>	<i>0.003 (<0,05)</i>

In this research, the data were the material and topics that need to be developed. But first of all, the researcher analyzed the KKNi curriculum that contain several competences and indicators. The researcher did the field testing in the small group to know the effectiveness of the book that has been developed by using observation.

Table 2. The Evaluation of the Effectiveness Speaking Materials English for Nursing

No	Unit	Category			Conclusion
		Low	Middle	High	
1	Unit 1	1%	20%	79%	Effective
2	Unit 2	7%	31%	62%	Effective
3	Unit 3	5%	30%	65%	Effective
4	Unit 4	5%	20%	75%	Effective
5	Unit 5	1%	26%	73%	Effective

In table 2, it can be seen that most of the students be able to achieve the indicators in every unit, however some of the students still in the low category of the achievement. Based on the observation, the students have difficulties in how to produce the correct pronunciation and how to choose the correct word (diction). Then, the weaknesses of the workbook that has been developed is there is no brief explanation about the assessment and the students still confuse about the illustration because lack of information of the picture. It can be concluded that however the book can help the students, but the book still need improvement.

Table 3. The Result of the Evaluation in the Effectiveness Speaking Materials English for Nursing

No	Unit	Category			Conclusion
		Low	Middle	High	
1	Unit 1	0%	7%	93%	Strongly Effective
2	Unit 2	0%	20%	80%	Strongly Effective
3	Unit 3	0%	18%	82%	Strongly Effective
4	Unit 4	0%	10%	90%	Strongly Effective
5	Unit 5	0%	11%	89%	Strongly Effective

In table 3, it can be seen that the achievement of the students after using the book is increase. The book that has been developed is effective to be used as the speaking material. After the researcher revised the book, the achievement in the low category becomes 0% for all units. And most of the percentage is increase into the high category. So it can be concluded that all of the speaking materials are effective. Based on the observation, several students still have difficulties in pronunciation and also finding the correct word in speaking. But they said that the illustration in the book is very help them in speaking practice. The assessment is also very clear and look like the original situation in medical atmosphere.

Table 4. The Judgement of the Speaking Material that has been developed

NO	Judges	Mean	Category	
			Agree	Appropriate
1	English Lecturer	4,65	Strongly agree	Strongly Appropriate
2	Expert judgement	4,39	Strongly agree	Strongly Appropriate
3	Stakeholder	4,57	Strongly agree	Strongly Appropriate

Based on data on table 4, it can be seen that all of the judges that come from 3 sides (English lecturer, expert judgement and stakeholder) agree that the speaking material that has been developed is appropriate for the students.

4. Discussion

Developing the speaking material for nursing students has several steps that need to create the effective learning material. It covered not only based on the KKNi curriculum, but also based on the students' need, and stakeholder needs. In the process of developing material, the researcher need to evaluate and

consider the KKNi curriculum, students need, interview and observation, field testing, English lecturer judgement, expert judgement and the stakeholder judgement. This procedure is used to create the appropriate and effective speaking material for nursing students.

First, in evaluating the KKNi curriculum, the researcher adopted the material that become the main material in the book. In the first treatment, there are several aspects that must be revised. Then after the researcher revised, the result of the students' achievement is better. They said that in the first treatment, the students still confuse how to use the book, because it is lack of information especially in the picture and the illustration.

After the researcher revised the book, there are three judges who evaluate the book. There are several aspects that must be evaluated, such as topic, language, organization and design, and exercise. The evaluation done by the English lecturer, the mean was 4,65 that belongs to appropriate. They strongly agree that the speaking material is very appropriate for the students, especially for nursing students. They said that by using game, picture and illustration were help the students to have speaking practice.

From the expert judgement view, the mean score of the questionnaire analysis was 4,39. This score belongs to strongly agree and strongly appropriate. The aspects are topic, language, organization and design, and exercise. Their evaluation is the developed materials are interest and suit to the needs when they are in the field. The goal of the speaking material that has been developed is match to the goals of the learning. The content of the speaking material appropriate to the proficiency of the students. And the material is very effective, not only to make the student interest but also there are some quiz and assessment corner to monitor the students' progress. Moreover, the use of picture and illustration are very help the students to get the idea and try to speak up.

From the stakeholder view, the mean score is 4,57. Based on this score, it can be seen that the stakeholder agree that the developed speaking material is appropriate for the students especially as the candidate of nurse. The goal is suit based on the field needs when they work in the hospital. The content is effective to build the students competence. And the illustration looks like in the real situation. Therefore, it can help the students after graduate from the bachelor degree.

Moreover, from the students' aspect, they are more active after using the speaking material book that has been developed. In the learning process, they don't really feel difficult to find the idea, because they can get the idea after read the illustration. They also have quiz and game when they feel bored. They said that by using the speaking material that has been developed, it is really help them to study English independently.

Therefore, it can be concluded that the speaking material that has been developed is very effective and appropriate for the nursing students, especially for bachelor nursing students in University of Muhammadiyah Kudus.

5. Conclusion

Based on analysis of this study, there are several steps that have been done. They are doing need analysis, planning, designing the material, evaluating and revising. In creating the speaking material, the researcher adopted the KKNi curriculum and doing need analysis. after then the researcher design the material based on the analysis. There are five materials that are developed: unit 1, 2, 3 4 and 5. In the first field test, the mean of the speaking material is appropriate, but there are still have weaknesses. Then the researcher revised. The result is the speaking material is strongly appropriate for all units. For the analysis of judges, there are three judges in this research. They come from English lecturer, expert judgement and stakeholder. All of the judges agree that the speaking material that has been developed is very appropriate and effective to help the students. They not only evaluate the content but also the goal, language, design, evaluation, games, etc. Therefore, it can be concluded the speaking material that has been developed is effective appropriate for the nursing students.

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