The Effectiveness of Grammatical Hunting Game Method towards Students’ Arabic Learning Motivation

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Abstract: This experimental research was motivated by the low Arabic learning motivation in class VIII MTsN 9 Bantul which was caused by the use of monotonous learning methods. This study aims to find out students' Arabic learning motivation after the application of Grammatical Hunting language educational game method and to compare the Arabic learning motivation of the experimental class and the control class. This study used a quasi-experimental research type. The sample of this research was students of class VIII B and VIII C of MTsN 9 Bantul Yogyakarta consisting of 60 students. Data were collected through observation, interviews, questionnaires, and documentation. The results of this study indicated that: 1) The student's Arabic learning motivation increased after the application of Grammatical Hunting language educational game method based on the results of the paired sample t-test with a significance value of 0.000 < 0.05, Ha was accepted. 2) There was a significant difference in the learning motivation of the experimental class and the control class, based on the results of the independent sample t-test with a significance value of 2.042 ≥ 2.001, Ha was accepted. This method could increase students' motivation to learn Arabic. This study contributed to the use of varied learning methods, so that qawā'id learning would become an enjoyable learning.

Introduction

Qawā'id is the most important knowledge among the Arabic linguistics1 because qawā'id can help students in understanding the sources of Islamic teachings2 and Arabic literature3 which related to Islam.4 However, the students assume that qawā'id is a

1 Syaikh Musthafa Al-Ghulayaini, Jāmi’u Ad-Durūs al-’Arabiyyah (Beirut-Lebanon: Darul Bayan, 2008), 7.
difficult lesson. It finally causes the student to be less interested, less enthusiastic, and bored to participate in the lesson. They find many difficulties in the learning process because of low motivation. Moreover, motivation is very important in the second language learning process. One of the factors of student's Arabic learning motivation is the learning method. The use of appropriate learning methods can help students to understand and overcome difficulties in understanding qawā'id. Meanwhile, qawā'id learning in this school is only presented using the lecture method especially in class VIII. As a teacher-centered learning method, this method will be more enjoyable when it is combined with other learning methods, models, or techniques to prevent students from getting bored. Djamarah suggested that one of the learning methods that can be applied to increase student learning motivation is games.

Language games are another learning method that is effective because it can provide benefits to academic achievement and class dynamic. Other researchers stated

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16 Syafiu Bahri Djamarah, Psikologi Pendidikan (Jakarta: Rineka Cipta, 2011), 173.
that language game is interesting because students enjoyed and no longer felt bored in doing the Arabic learning activities. From these several previous research, it can be seen that research that discusses language games is applied in language learning to increase students’ language skills and vocabularies. There is a research that examines learning motivation, but it is intended for students in an university. Therefore, this research discusses the effect of language educational game method in qawā'id learning on students' motivation to learn Arabic.

Among the game methods that are effective to be applied in qawā'id learning is Grammatical Hunting which is a language educational game method that aims to find grammatical structures in boxes or tables. This method also allows a student to develop grammar through imagination and combine one word with another. Asyrofi wrote in his book about the procedures of this language educational game. First, the teacher made a list and determines a theme. After that, the students were divided into groups and each group tried to answer the game challenges. Then, the group hunt for words by circling the words horizontally, vertically, or in a cross.

The researchers conducted experimental research by applying the Grammatical Hunting language educational game method in Arabic learning, especially qawā'id learning to find whether student's Arabic learning motivation improve after implementing

the method and to compare Arabic learning motivation of the experimental class and the control class in Arabic learning. It is hoped that students' Arabic learning motivation increase after application of Grammatical Hunting language educational game method and there are significant differences in the students' Arabic learning motivation between the experimental class and the control class. Theoretically, the research findings are assumed to give contribution to the wealth of knowledge or literature in the field of Arabic language education. Practically, the use of this method is expected to be able to create a pleasant learning atmosphere and can increase the student of class VIII MTsN 9 Bantul Yogyakarta Arabic learning motivation.

**Method**

This study used quantitative approach which needs the data in the form of numbers in data collection and analysis. The type of research used was experimental research designed in the form of quasi-experimental research aims to examine the cause-effect relationship by manipulating one or more variables in one or more experimental groups and comparing the results with a control group that did not experience manipulation. The form of research design that the researcher used in this quasi-experimental research was the non-equivalent group design because the research subjects were not determined randomly, either for the experimental group or the control group.

To get a sample that represents the characteristics of the existing population and there is no bias in the results of the study, the researcher used non-probability sampling, a sampling technique that does not provide equal opportunities for all members of the population to become a sample. In this regard, the researcher used the purposive sampling type by choosing deliberately according to the research objectives. In this case, the sample of this study was VIII B grade of MTsN 9 Bantul Yogyakarta, totaling 31 students as the experimental class and VIII C grade of MTsN 9 Bantul Yogyakarta, totaling 29 students as the control class. The classes were determined by the same background, both from school origin, age, and gender. In addition, these two classes

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29 Jalaludin Rahmat, 185.
have the same conditions when viewed from the arrangement of classrooms and the duration of learning.

The data in this study were obtained from primary data and secondary data. Primary data from this study was Arabic language teachers and class VIII B and VIII C students whose results were obtained from data collection in the form of participant observation, semi-structured interviews, closed questionnaires, and documentation. The guidance of the data collection instruments had been validated by Zidni Imawan, S.Psi., M.Psi, a psychology lecturer of Sunan Kalijaga State Islamic University. Meanwhile, the secondary data were scientific works that are relevant to this research. The data regarding student' Arabic learning motivation before and after using Grammatical Hunting language educational game method were obtained from a closed questionnaire measured using a Likert scale and had passed the construct validity test and the reliability test with the cronbach alpha technique.

The data analysis in this study consisted of analysis by using descriptive statistics and independent-sample t-test with the help of SPSS 23. The researcher used quantitative descriptive methods using paired sample t-test to find out students' Arabic learning motivation after its implementation methods and independent-sample t-test to compare the motivation to learn Arabic between the experimental class and the control class. However, the researcher tested the normality and homogeneity test as a prerequisite for data analysis before the analysis was carried out.

$$\begin{align*}
E & \quad O_1 - X - O_2 \\
K & \quad O_3 - - - O_4
\end{align*}$$

**Figure 1.** Non Equivalent Control Group Design

**Description**

- **E**: The experimental class
- **K**: The control class
- **O1**: The experimental class pre-test

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O2 : The experimental class post-test
O3 : The control class pre-test
O2 : The control class post-test
X : The treatment (using Grammatical Hunting)
- : No treatment (using lecture method)

**Result and Discussion**

Before conducting the research, the researcher prepared a questionnaire for student’ Arabic learning motivation as follows:35

<p>| Table 1. Questionnaire Grid of Student’ Arabic Learning Motivation |
| --- | --- | --- | --- |</p>
<table>
<thead>
<tr>
<th>No.</th>
<th>Aspect</th>
<th>Indicator</th>
<th>Item</th>
<th>Number of Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Persistence in doing assignments</td>
<td>Students show sincerity when doing assignments.</td>
<td>1, 2</td>
<td>3, 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Students provide time outside of class hours to do assignments.</td>
<td>5, 6</td>
<td>7, 8</td>
</tr>
<tr>
<td>2.</td>
<td>Resilience in the face of difficulty</td>
<td>Students show high fighting power when faced with difficulties.</td>
<td>9, 10</td>
<td>11, 12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Students try to overcome the difficulties they face.</td>
<td>13, 14</td>
<td>15, 16</td>
</tr>
<tr>
<td>3.</td>
<td>Showing interest in a variety of issues</td>
<td>Students are enthusiastic about participating in the teaching and learning process.</td>
<td>17, 18</td>
<td>19, 20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Students pay attention to the explanation given by the teacher.</td>
<td>21, 22</td>
<td>23, 24</td>
</tr>
<tr>
<td>4.</td>
<td>Prefer to study independently</td>
<td>Students learn independently.</td>
<td>25, 26</td>
<td>27, 28</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Students do assignments independently.</td>
<td>29, 30</td>
<td>31, 32</td>
</tr>
<tr>
<td>5.</td>
<td>Get bored with routine tasks quickly</td>
<td>Students love the new things.</td>
<td>33, 34</td>
<td>35, 36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Students do creative activities.</td>
<td>37, 38</td>
<td>39, 40</td>
</tr>
<tr>
<td>6.</td>
<td>Can defend his opinion</td>
<td>Students can convey their opinions.</td>
<td>41, 42</td>
<td>43, 44</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Students can defend their opinion.</td>
<td>45, 46</td>
<td>47, 48</td>
</tr>
</tbody>
</table>

7. It is not easy to let go of believing Students believe in their abilities. 49, 50 51, 52 8
Students are confident when doing assignments 53, 54 55, 56
8
8. Finding and solving the problems Students have sensitivity and responsiveness to problems 57, 58 59, 60
Students look for solutions to solve the problems 61, 62 63, 64
Total 64

Validity and Reliability Test

After compiling a questionnaire consisting of 64 items, the researcher took the instrument testing through validity testing. The researcher conducted a validity test with experts showed that items 9, 10, 11, 17, 24, 28, 32, 33, 35, 38, 39, 40, 44, 45, 46, 49, 54, and 64 must be corrected by using language operational ones to describe the indicators better. After making changes according to input from experts, all items in the questionnaire are following the indicators and declared valid to be used as data collection instruments. Furthermore, the researcher tested the questionnaire to determine the validity of each item with a total of 56 respondents.

The researcher used SPSS 23 program in testing the validity of the instrument with the product-moment correlation formula because the number of respondents was ≥ 30 people. $r_{table}$ for degrees of freedom of 54 (df = n - 2 = 56 - 2 = 54) with a significance level of 5% is 0.263. This test is done by connecting the item score and the total score, then comparing the $r_{count}$ value in the total score column with the $r_{table}$ value. Item is said to be valid if the value $r_{count} \geq r_{table}$ and declared invalid if the $r_{count} < r_{table}$ value. The data shows that the items totaling 64 items had been correlated with the total score of the answers given by students, so as many as 52 items with a value of ≥ 0.263 and 12 items with a value of < 0.263. So, it can be concluded that 52 items were declared valid and 12 items were declared invalid.

The next is the reliability of the instrument test carried out to determine the consistency or stability of the score of a research instrument against the same individual at different times. A reliable instrument is if the results shown by individuals are relatively the same after repeated trials. Researchers used Cronbach's alpha technique with SPSS 23 in measuring instrument reliability. The decision-making criterion is if the
Cronbach's alpha value was $\geq 0.60$ then the questionnaire is declared reliable. However, if the Cronbach's alpha value $< 0.60$, the questionnaire is declared unreliable. The result of the reliability test of the student's Arabic learning motivation is:

<table>
<thead>
<tr>
<th>Table 2. The Reliability of The Instrument Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reliability Statistics</td>
</tr>
<tr>
<td>Cronbach's Alpha</td>
</tr>
<tr>
<td>0.906</td>
</tr>
</tbody>
</table>

From the table 2, it can be known that the Cronbach's alpha value is 0.906, which was $\geq 0.60$. Thus, the students' Arabic learning motivation questionnaire was declared reliable and fit for the research instrument.

**Descriptive Statistic of Students’ Arabic Learning Motivation**

**Experimental Class Arabic Learning Motivation**

The Arabic learning motivation in the experimental class, which in the learning process used the Grammatical Hunting language educational game method, is known after the researcher spreads a questionnaire in the form of a pre-questionnaire and a post-questionnaire to each sample in the experimental class which was 31 students. Then, the data was processed to obtain data about the motivation to learn Arabic.

<table>
<thead>
<tr>
<th>Table 3. Descriptive Scale of Experimental Class Pre-questionnaire and Post-questionnaire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jumlah Siswa</td>
</tr>
<tr>
<td>31</td>
</tr>
<tr>
<td>Maximum</td>
</tr>
<tr>
<td>Minimum</td>
</tr>
<tr>
<td>Mean</td>
</tr>
<tr>
<td>Standard Deviation</td>
</tr>
<tr>
<td>Gain</td>
</tr>
</tbody>
</table>

Table 3. shows the descriptive scale of the pre-questionnaire and the post-questionnaire of experimental class. There is an increase in the average pre-questionnaire and post-questionnaire scores for the experimental class, which was 23. The maximum pre-questionnaire of experimental class was 228, then increased to 234 in the post-questionnaire. The minimum score of experimental class pre-questionnaire was 101, while the post-questionnaire score was 106.

Furthermore, the data is presented in a pie chart below to make it more concise and easy to understand. The graph includes the following:
Figure 2. Result Percentage of Experimental Class Pre-questionnaire

Figure 2 illustrates the result percentage of experimental class pre-questionnaire before taking action. Most of the pre-questionnaire results were in the low category. 6% is in the very high category, 26% is in the high, 14% is in the medium category, and 48% is in a low, while 6% is in the very low.

Figure 3. Result Percentage of Experimental Class Post-questionnaire

Figure 3. shows result percentage of experimental class post-questionnaire. The high and medium categories have the same percentage value, namely 29%. As for 6% of students have very high Arabic learning motivation, 33% of students are in a low, while 3% of students are in the very low.

Based on the data, we can conclude that experimental class Arabic learning motivation after the implementation of the Grammatical Hunting language educational game method has increased by 3% in the high level and 15% in the medium level, while the low level has decreased by 15% and in the very low level which has decreased of 3%.
Control Class Arabic Learning Motivation

The descriptive statistics of the data are as follows:

| Table 4. Descriptive scale of Control Class Pre-questionnaire and Post-questionnaire |
|---------------------------------|-----------------|-----------------|
|                                  | Pre-questionnaire | Post-questionnaire |
| Jumlah Siswa                    | 29               | 29               |
| Maximum                         | 210              | 227              |
| Minimum                         | 111              | 61               |
| Mean                            | 156              | 157              |
| Standard Deviation              | 28               | 39               |
| Gain                            | 1                |                  |

Table 4 shows the descriptive scale of the pre-questionnaire and the post-questionnaire of control class. The increase in the mean pre-questionnaire and post-questionnaire scores for the experimental class was 1. The maximum value for the control class pre-questionnaire was 210 and increased to 227 on the post-questionnaire. The minimum score for the pre-questionnaire of experimental class was 111, while for the post-questionnaire was 61.

Figure 4. Result Percentage of Control Class Pre-questionnaire

Figure 4 illustrates that the result percentage of control class pre-questionnaire. The largest percentage is in the medium category, namely 41%. As for 11% in the very high category, 13% in the high level, 41% in the medium category, and 24% in the low level, while 11% were in the very low level.
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Figure 5. Result Percentage of Control Class Post-questionnaire

Figure 5. illustrates the result percentage of control class post-questionnaire. The highest score was in the medium category which was 41%. As for 7% of control class students had very high Arabic learning motivation, 24% of students were in the high level, and 21% of students were in a low level, while 7% of students were in the very low level. Based on the data, we can conclude that control class Arabic learning motivation after the implementation of the lecture method had increased by 11% in the high level and had decreased in the very high level by 4%, in the low level by 3%, and in the very low level 3%.

The gain of Experimental Class and Control Class Arabic learning motivation can be seen in the following table:

<table>
<thead>
<tr>
<th>Class</th>
<th>Gain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experiment</td>
<td>23</td>
</tr>
<tr>
<td>Control</td>
<td>1</td>
</tr>
</tbody>
</table>

Based on the table 5, we know that students Arabic learning motivation gain the mean increase in the experimental class is higher than the increase in the mean of the control class. It shows that the application of Grammatical Hunting language educational game method can increase students’ Arabic learning motivation compared to the learning process that does not apply Grammatical Hunting language educational game method (lecture method).
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The Differences of Experimental Class and Control Class Arabic Learning Motivation

After the H₀ of the normality test and homogeneity test is accepted, the next step is to analyze the data by using the t-test. The type of t-test used is the paired sample t-test to find out students' Arabic learning motivation before and after by using SPSS 23.

**Table 6. Paired Sample T-test Result of Experiment Class**

<table>
<thead>
<tr>
<th>No.</th>
<th>Data</th>
<th>Mean</th>
<th>t_count</th>
<th>t_table</th>
<th>Sig. (2 tailed)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pre-questionnaire</td>
<td>152.48</td>
<td>6.924</td>
<td>2.042</td>
<td>0.000</td>
<td>Significant</td>
</tr>
<tr>
<td>2.</td>
<td>Post-questionnaire</td>
<td>175.71</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 6. shows the paired sample t-test result of experimental class. The post-questionnaire mean of the experimental class is higher than the pre-questionnaire mean. Besides, the sig. (2-tailed) value was 0.000 proves that sig. (2-tailed) <0.05. Therefore, it can be concluded that H₀ is rejected and Hₐ is accepted. It shows that there is a significant difference in motivation to learn Arabic between before and after the implementation of the Grammatical Hunting method, meaning that students' Arabic learning motivation increases after the implementation of the Grammatical Hunting of language educational game method.

**Table 7. Paired Sample T-test Result of Control Class**

<table>
<thead>
<tr>
<th>No.</th>
<th>Data</th>
<th>Mean</th>
<th>t_count</th>
<th>t_table</th>
<th>Sig. (2 tailed)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pre-questionnaire</td>
<td>156.07</td>
<td>0.107</td>
<td>2.048</td>
<td>0.916</td>
<td>Insignificant</td>
</tr>
<tr>
<td>2.</td>
<td>Post-questionnaire</td>
<td>156.66</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 7. shows the paired sample t-test result of control class. The post-questionnaire mean of the control class is not higher than the pre-questionnaire mean. In addition, sig.(2-tailed) value was 0.916 which proves that the sig. (2-tailed) > 0.05. Therefore, it can be concluded that H₀ is accepted and Hₐ is rejected. This shows that there is no significant difference in Arabic learning motivation between before and after the application of the lecture method.

It is known that there is a significant difference in Arabic learning motivation between the experiment class which applied Grammatical Hunting language educational game method and the control class which did not apply Grammatical Hunting language educational game method.

Beside, in this research was not only using paired sample t-test to analyze the data, but also using the independent sample t-test to compare the differences of...
experimental class for Arabic learning motivation after applying Grammatical Hunting language educational game method and the control class which did not apply the same game method in the learning process.

Table 8. Independent Sample T-test Result of Pre-questionnaire Score

<table>
<thead>
<tr>
<th>No.</th>
<th>Data</th>
<th>Mean</th>
<th>t_count</th>
<th>t_table</th>
<th>Sig. (2 tailed)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pre-experiment</td>
<td>152.48</td>
<td>-0.453</td>
<td>2.001</td>
<td>0.652</td>
<td>Insignificant</td>
</tr>
<tr>
<td>2</td>
<td>Pre-control</td>
<td>156.66</td>
<td>-0.456</td>
<td>2.001</td>
<td>0.650</td>
<td></td>
</tr>
</tbody>
</table>

Table 8. shows the independent sample t-test between experiment class and control class pre-questionnaire and post-questionnaire scores. There is no significant difference between the mean of two classes. The pre-questionnaire t_count for the experimental class was -0.453 (t_count = -0.453) and the pre-questionnaire for the control class was -0.456 (t_count = -0.456) and the t_table was 2.001 (t_table = 2.001) with as many degrees of freedom as 58 (df = 58). These results prove that tcount < ttable, namely - 0.453 < 2.001 and - 0.456 < 2.001. Therefore, it can be concluded that H0 is accepted, meaning that H_a is rejected.

Table 9. Independent Sample T-test Result of Post-questionnaire Score

<table>
<thead>
<tr>
<th>No.</th>
<th>Data</th>
<th>Mean</th>
<th>t_count</th>
<th>t_table</th>
<th>Sig. (2 tailed)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Post-experiment</td>
<td>175.71</td>
<td>2.042</td>
<td>2.001</td>
<td>0.049</td>
<td>Significant</td>
</tr>
<tr>
<td>2</td>
<td>Post-control</td>
<td>156.66</td>
<td>2.006</td>
<td>2.001</td>
<td>0.050</td>
<td></td>
</tr>
</tbody>
</table>

Table 9. shows the independent sample t-test result of post-questionnaire score. There is a significant difference between the mean of the two classes. The experimental class post-questionnaire t_count was 2.042 (t_count = 2.042) and the control class post-questionnaire was 2.006 (t_count = 2.006), while the t_table was 2.001 with 58 degrees of freedom (df = 58). These results prove that tcount ≥ ttable, namely 2.042 ≥ 2.001 and 2.006 ≥ 2.001. Therefore, it can be concluded that H_a is accepted, meaning that H0 is rejected. Thus, it can be concluded that there is a significant difference in the experimental class Arabic learning motivation who apply Grammatical Hunting language educational game method and the control class who does not apply Grammatical Hunting language educational game method.

Qawā'id learning will be more effective if it is supported by several components, including the teacher.36 As the most important factor in the teaching and learning

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process, teachers are required to choose methods that are appropriate and have an effect on student learning success, as Grammatical Hunting educational game method applied to qawā'id learning in this experimental class. The results showed a significant difference when compared with the increase in motivation to learn Arabic in the control class. So, Grammatical Hunting language educational game method affects in increasing students' motivation to learn Arabic.

This research is in line with previous research which shows that language games can motivate students to learn qawā'id. This is because language games can make the learning process more enjoyable, eliminates boredom, and creates cooperation, and healthy competition between students. In addition, language games can affect the cognitive aspects of students where students will find it easier to understand and memorize the material. However, it should be noted that language games have the obstacles if the class conditions would be crowded. Therefore, as one of an essential factors in the learning process, teachers are required to be active in guiding students.

Conclusion

Grammatical Hunting language educational game method can affect in increasing students' grade of VIII MTsN 9 Bantul Yogyakarta Arabic learning motivation. In


Muassomah and Munjiah, “Learning Qawaid Through Language Game Adlif Kalimat an for Students of Arabic Language and Literature at UIN Maulana Malik Ibrahim Malang.”

Uliyah and Isnawati, “Metode Permainan Edukatif Dalam Pembelajaran Bahasa Arab.”


addition, there was a significant difference between experimental class Arabic learning motivation which used Grammatical Hunting language educational game method and control group which did not use Grammatical Hunting language educational game method. The Arabic teacher is suggested to use this method in qawā'id learning because it can create an enjoyable learning atmosphere and can increase the students Arabic learning motivation. This research did not measure the effect of Grammatical Hunting towards students' achievement and the effectiveness of this method in qawā'id learning due to limited learning time allocation. Therefore, future research is suggested to examine this method in qawā'id learning to find out the effect of this method towards students' achievement and its effectiveness.

Acknowledgment

The authors would like to sincerely thank to Arabic Education Study Program, Sunan Kalijaga State Islamic University of Yogyakarta for supporting this research, to Zidni Imawan, S.Psi., M.Psi, a psychology lecturer of Sunan Kalijaga State Islamic University as the questionnaire validator of this research, and to the editor and the reviewers who helped the authors in accomplishing this paper.

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