DESCRIPTIVE WRITING SKILLS UTILIZING A FISHBONE METHOD: A PRACTICAL APPROACH TOWARDS ENGLISH STUDENTS

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ABSTRACT
The objectives of this research are to discover the extent to which (1) the use of fishbone can influence the students' descriptive writing skills and (2) to see which of the five aspects of writing is enhanced the most when utilizing fishbone. A quasi-experimental approach was used in this study. The study took place at Public Senior High School, Gowa, South Sulawesi, Indonesia. The sample size for the study was 62 students, whereas the experimental and control classes had 31 students, respectively. The data was obtained using a written test as a pre-test and post-test for both classes, and the test results were analyzed using the SPSS 24.0 program. The results revealed that two components of writing were improved by the application of the fishbone method, namely content, and organization, while the other components were not improved. It refers to the probability value (0.052) being greater than or equal to the significance level (= 0.05). While, the variant score of the five writing components showed that the probability value (0.00) was lower than the significant value (0.05), the mean score of the five writing components indicated that organization was higher than others. That leads to the conclusion that (1) the application of the fishbone method did not improve the students' descriptive writing skills and (2) the highest improvement of the five writing components was organization.

Keywords:
Fishbone Method
Writing skills
Descriptive Text

INTRODUCTION
Writing is becoming increasingly vital in today's world, yet teaching and developing writing skills is complicated and sometimes challenging, requiring mastery of not only grammatical and rhetorical methods, but also intellectual and judgemental elements (Myles, 2002; Bailey, 2014; Borgman & Dockter, 2018). Several mental and bodily processes are carried out at the same time. Furthermore, writing demands students to elaborate the components of writing in terms of content, structure, vocabulary, language use, and mechanics, all of which work together to create a small section of a text that contains at least one sentence and starts on a new line. It usually focuses on a particular incident, description, or thought. However, students frequently face challenges in writing, such as organizing words into paragraphs, conveying their ideas, using language in grammatical sentences, coherences, cohesion, and so on (Farooq et al., 2020; Siddiqui, 2020). For example, they may have a large vocabulary but find it difficult to convey their ideas, which makes it tough for kids to construct a paragraph. Furthermore, one of the most common issues students
experience when they want to begin writing is deciding on a topic or idea. This is usually the first decision a writer must make before beginning to write, whether on a sentence or paragraph level. It is the teacher's obligation to increase their pupils' abilities, particularly their writing skills, so that they can write effortlessly and creatively (Mak & Coniam, 2008; Ahmed, 2019).

In light of the aforementioned issue, the researcher conducted preliminary observations at a public school in Sungguminasa and discovered that first-year pupils have difficulty articulating their ideas and writing phrases and paragraphs. In response to the challenge, the researcher discovered that there are a variety of strategies that may be utilized to increase a student's writing ability, one of which is the fishbone approach. The Fishbone method or usually known as the cause and effect diagram or Ishikawa diagram is a method developed by Kaoru Ishikawa (Bilsel & Lin, 2012; Harrington, 2016; Xu & Dang, 2020), is one of the methods in teaching writing that may support the expected situation.

When it comes to fishbone, it instructs students to create a visual representation that clearly demonstrates the relationship between the topic and the numerous aspects that affect it. The model's shape resembles the skeleton of a fish. The topic to be analyzed is represented by the fishbone, and the factors or categories of factors connected to the topic are represented by the fishbone. It can be a lot of fun for students to write in a creative way (Slameto, 2016; Shinde et al., 2018; Fauziah, 2022).

In light of the foregoing, the following research questions were formulated: (1) Does using fishbone improve students' descriptive writing skills in terms of content, organization, vocabulary, language use, and mechanics?; and (2) Which of the five components of writing is most significantly improved by using fishbone? The objectives of this study were to determine the extent to which the fishbone can improve students' descriptive writing skills in terms of content, organization, vocabulary, language use, and mechanics, as well as to determine which of the five components of writing is the most significantly improved by using fishbone.

Literature Review

A fishbone method is an analysis tool that allows you to look at effects and the causes that produce or contribute to those effects in a methodical fashion (Reilly et al., 2014; Luo et al., 2018; Fauziah, 2022). A fishbone method is a form of graphic organizer that is used to study the various elements or consequences of a complicated issue while also assisting students in organizing their thoughts in a simple, visual manner (Ghosh, 2014; Turan et al., 2019; Azbaki et al., 2021). A Fishbone Diagram serves multiple basic purposes, including 1) neatly grouping various potential sources of a problem or subject matter; 2) analyzing what really happens in a process; and 3) teaching teams and individuals about current or new processes and procedures. Fishbone diagrams can be used to discover and categorize potential special effect causes. Then break down the core causes and discuss some of the issues that arise. Every student engaging in this technique's activities can contribute by offering feedback or instructions that may be the source of the issues that develop.

Teachers can use the fishbone method to assist students to grasp abstract notions from an English text's core premise (Emilda & Hamzah, 2021; Le Quy, 2021; Alquraishy et al., 2021). When used correctly, this method has several advantages, including 1) assisting students and teachers in identifying root causes and areas with interrelated problems; 2) assisting students in organizing and relating texts in detail so that they can identify the main ideas in the text in the form of information, and 3) assisting students in understanding how the main theme can have diverse and interrelated ideas.

Furthermore, the fishbone method necessitates teachers' participation in the teaching and learning process (Nasir, 2014; Sufeni & Fatimah, 2018; Ardianto & Eviyuliwati, 2020).
The teacher leads students through the stages of action, explains key information from the reading text, feeds students' thoughts and assists them in locating specific information from a sequence of events, and responds to difficult questions made by students. When using the Fishbone technique to improve a process, there are various steps to take. 1) Determine the quality characteristics; 2) Write the quality characteristics on the Fishbone diagram; 3) Write down the primary causal factors; 4) Determine the important items of each factor; and 5) Use questions to discover causal factors in the teaching and learning of reading.

When used in the teaching and learning of English, the fishbone learning approach is effective (Coccia, 2018; Venkatesan & Merlin, 2019; Fauziah, 2022). Many benefits can be obtained from incorporating this technique into the teaching and learning of reading, including 1) a more comfortable classroom environment with an active learning atmosphere; 2) students who are more enthusiastic, active, and confident; 3) students who are more motivated in learning English, particularly in reading English texts; and 4) students who are not easily bored during the teaching and learning of reading because teaching and learning activities are student-centered; and 5) students do their work confidently without being afraid to feel like they made a mistake in doing the task.

Furthermore, according to Puranik & AlOtaiba (2012); Jabbarova (2019), writing is the process of generating an idea and expressing it in written form. Writing as “the expression of language in a textual medium using a set of signs or symbols” (known as a writing system) (Morin et al., 2020; Khair & Misnawati, 2022). Moreover, content, organization, grammar, vocabulary, and mechanics are the five most important aspects of writing.

Moreover, sensory details are used in descriptive writing to explain how something looks, feels, smells, tastes, and/or sounds (Yaacob & Suriyanti, 2016; Samanian & Roohani, 2018; Akki & Larouz, 2021). In the mind of the reader, a good description generates a mental image of the thing, place, or person. Students should learn descriptive writing so that they may describe, characterize, and provide detailed information about certain objects so that readers can acquire descriptions or paintings of these objects (Hollway, 2004). The material part of descriptive writing must be examined in order to attain the desired purpose. For slow learners, descriptive writing learning material refers to the level of novice writing proficiency, with information in the form of simple broad subjects about something that students are familiar with.

2. METHOD

The study used a quasi-experimental approach with a non-equivalent control group. It was divided into two groups: experimental and control. A pre-test, treatment, and post-test were administered to both the experimental and control groups. The success of the treatment that investigated the use of the fishbone method to improve the students' descriptive writing skills related to content, organization, vocabulary, language use, and text mechanics for the first-year students at senior high school 2 Sungguminasa was dependent on the comparison of pretest and posttest scores. The researcher used two classes from seven tenth-grade classrooms as research subjects, which were divided into experimental and control groups. The Purposive Sampling approach was used to pick the sample. The sample size for the study was 62 students, with 31 students in X MIA 3 serving as an experimental group and 31 students in X MIA 1 serving as a control group.

The researcher employed a writing exam in this study. The test was divided into two sections: one before treatment (pre-test) and one after treatment (post-test) (post-test). The pretest was used to gather information on the students' prior knowledge of how to write
descriptive writing, and the post-test was used to assess the students' capacity to write descriptive text following treatment.

The researcher was gathered through the pretest and posttest in order to analyze the data. The following procedures were used by the researcher: Writing components rubric qualification is used to score the results of the students' pretest and posttest. Content, structure, vocabulary, language use, and mechanics are the five components of writing that are addressed in this study, as shown in table 1.

<table>
<thead>
<tr>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>88 ≤ x ≤ 100</td>
<td>Very Good</td>
</tr>
<tr>
<td>75 ≤ x &lt; 88</td>
<td>Good</td>
</tr>
<tr>
<td>61 ≤ x &lt; 75</td>
<td>Average</td>
</tr>
<tr>
<td>47 ≤ x &lt; 61</td>
<td>Poor</td>
</tr>
<tr>
<td>x &lt; 47</td>
<td>Very Poor</td>
</tr>
</tbody>
</table>

The data were analyzed using SPSS, and conclusions were drawn based on the findings. The results were compared in the experimental and control groups using descriptive and inferential statistics such as mean score, standard deviation, and t-test. Using the fishbone method and the SPSS 24.0 program, ANOVA was used to determine which aspects of descriptive writing, such as content, organization, vocabulary, language use, and mechanics, were significantly improved.

3. RESULTS AND DISCUSSION

Results

The researcher employed pre-test and post-test to gather data. Prior to therapy, the experimental and control groups were given a pretest to determine the students' writing skills. The goal of the test was to determine the experimental and control groups' prior knowledge before treatment. Following therapy, both the experimental and control groups were given the same test to see if the fishbone method might improve the students' writing abilities. The researcher used the t-test analysis to assess the data.

1. The students’ writing ability in the Pre-test

The results of the students' descriptive writing abilities in the pretest of the experimental group before using the fishbone method and the control group before using the lecture approach are presented in this part. The researcher discovered information about the pupils' grades, which had been classified into groups, as shown in table 2.
Table 2. The Rate Frequency and Percentage Distribution

<table>
<thead>
<tr>
<th>Scores Pre-test</th>
<th>Experimental Group</th>
<th>Control Group</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Freq</td>
<td>Perc</td>
</tr>
<tr>
<td>100-88</td>
<td>0</td>
<td>0,00</td>
</tr>
<tr>
<td>88-75</td>
<td>0</td>
<td>0,00</td>
</tr>
<tr>
<td>75-61</td>
<td>5</td>
<td>16,13</td>
</tr>
<tr>
<td>61-47</td>
<td>16</td>
<td>51,61</td>
</tr>
<tr>
<td>47-0</td>
<td>10</td>
<td>32,26</td>
</tr>
<tr>
<td>Total</td>
<td>31</td>
<td>100,00</td>
</tr>
</tbody>
</table>

Table 2 reveals that the majority of the students in the experimental group's pretest acquired "poor," "average," and "extremely poor," with 16 (51.61 percent) individuals acquiring "poor," 5 (16.13 percent) students acquiring "average," and 10 (32.26 percent) students acquiring "very poor." "Very good" and "good" were not earned by any of the students. On the other hand, in the control group's pretest, 17 (54.84 percent) of the students were classified as "Poor." None of the students received "Extremely Good," two students (6.45%) received "Good" and "very poor," and ten students (32.26%) received "average."

The researcher illustrates the mean and standard deviation of the two groups' pretest results in the following table 3 to support the data described above.

Table 3. The Mean Score and Standard Deviation

<table>
<thead>
<tr>
<th>Group</th>
<th>Mean Score</th>
<th>Standard Deviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experimental Group</td>
<td>51.03</td>
<td>7.32</td>
</tr>
<tr>
<td>Control Group</td>
<td>58.54</td>
<td>8.21</td>
</tr>
</tbody>
</table>

The mean scores and standard deviation of the experimental and control groups before the students were given treatment are shown in table 3. According to the table above, the experimental group's pretest means the score was 51.03, which was considered low, whereas the control group's pretest means the score was 58.54, which was also considered poor. According to the results, the mean score of the students' writing ability in the pretest was considerably different.

Furthermore, in order to provide a clear picture of the student's ability to write descriptive prose in the pretest, the researcher visualized the data using the five components of writing, as shown in Table 4.

Table 4. The Pretest Mean Score Based on the Components of Writing

<table>
<thead>
<tr>
<th>Writing Component</th>
<th>Experimental Group Mean Score</th>
<th>Control Group Mean Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content</td>
<td>53.87</td>
<td>59.03</td>
</tr>
<tr>
<td>Organization</td>
<td>58.70</td>
<td>65.80</td>
</tr>
<tr>
<td>Vocabulary</td>
<td>51.45</td>
<td>60.64</td>
</tr>
<tr>
<td>Language Use</td>
<td>41.54</td>
<td>51.35</td>
</tr>
<tr>
<td>Mechanics</td>
<td>49.03</td>
<td>54.19</td>
</tr>
</tbody>
</table>

The students' pretest mean scores in each component of the two groups were different, as shown in Table 4. According to the data, the experimental group's mean
content score was 53.87, whereas the control group's mean content score was 59.03. The experimental group scored 58.70, while the control group scored 65.80. The experimental group had a mean vocabulary score of 51.45, while the control group had a mean vocabulary score of 60.64. The experimental group's mean score was 41.54, whereas the control group's mean score was 51.35, as determined by language use. The final question concerned the students' average score by mechanic. The experimental group had a mean score of 49.03, while the control group had a mean score of 54.19.

2. The Students’ Writing Ability in The Posttest

The results of the students' descriptive writing skills in the post-test of the experimental group after using the fishbone method and the control group after using the lecture approach are presented in this part. As shown in Table 5, the researcher discovered data linked to the students' grades that had been classified into groups.

Table 5. The Rate Frequency and Percentage Distribution Post-test

<table>
<thead>
<tr>
<th>Range Score</th>
<th>Experimental Group</th>
<th>Control Group</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Frequency</td>
<td>Percentage</td>
</tr>
<tr>
<td>100-88</td>
<td>1</td>
<td>3.23</td>
</tr>
<tr>
<td>88-75</td>
<td>2</td>
<td>6.45</td>
</tr>
<tr>
<td>75-61</td>
<td>24</td>
<td>77.42</td>
</tr>
<tr>
<td>61-47</td>
<td>4</td>
<td>12.90</td>
</tr>
<tr>
<td>46-0</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Total Score</td>
<td>31</td>
<td>100.00</td>
</tr>
</tbody>
</table>

Table 5 shows that the majority of students in the experimental group's posttest, 24 (77.42 percent), received "Average." 1 (32.33%) student received "very good," 2 (6.45%) students received "good," and 4 (12.90%) students received "poor." "Very Good" was not earned by any of the students. On the other hand, the majority of students in the control group's posttest showed that 13 (41.94 percent) were classified as "poor." 6 (18.35%) pupils received "good," 11 (35.48%) kids received "average," and 1 (3.23%) student received "very low." None of the students were deemed "exceptionally good."

Furthermore, the experimental group's mean posttest scores differed from the control group's. The experimental group's mean posttest score was 67.25, which was characterized as "Average," whereas the control group's mean posttest score was 63.25, which was also categorized as "Average." It was discovered that following treatment, the experimental group's mean score was greater than the control group's, despite the fact that both groups' mean scores qualified at the same level. It demonstrates that using the fishbone method to treat pupils can increase their descriptive writing ability.

Moreover, depending on the five components of writing, the mean score of the students' posttest scores. The posttest mean scores of the students in each component of the two groups were different, as shown in the table. According to the data, the experimental group's mean content score was 70.43, which was greater than the control group's mean score of 63.65; 70.43 > 63.65. The mean score of the
Experimental group was 78.38, whereas the mean score of the control group was 67.90, which was smaller than the experimental group's mean score of 78.38 > 67.90. The experimental group's mean vocabulary score was 70.48, while the control group's mean score was 68.38, which was lower than the experimental group's mean score; 70.48 > 68.38. It was discovered that the experimental group's mean score was 51.87, which was higher than the control group's mean score of 55.48; 51.87 > 55.48. The final point concerns the students' average mechanics score. The mean score of the experimental group was 67.09, while the mean score of the control group was 60.64; 67.09 > 60.64. According to this description, the experimental and control groups' skills in producing descriptive text after the treatment are distinct in the sense that the experimental group's ability in writing text is superior to the control group's skill.

3. **Test of Significance (T-test)**

Because the significant value (2-tailed) was 0.00, it was smaller than = 0.05, there was a significant difference between the experimental and control groups in the pretest, according to the results of data analysis. Despite this, the posttest significant value (2-tailed) was 0.052, which was greater than = 0.050. It means that the null hypothesis (H0) has a high probability of being true. It suggests that using the fishbone approach did not increase the ability of first-year students at senior high school 2 Sungguminas to write descriptive texts in terms of content, organization, vocabulary, language use, and mechanics.

Moreover, although there was no significant difference in overall score in the posttest, there was a significant difference in writing components between the experimental and control groups. In terms of the significance of the five components, the results obtained in both groups were different. The content had a significant value of 0.015, the organization had a significant value of 0.013, the vocabulary had a significant value of 0.549, the language used had a significant value of 0.259, and the mechanics had a significant value of 0.054. Those significant writing component scores plainly show that content and organization were smaller than expected (0.050). In other words, using the fishbone method greatly improved the content and organization.

4. **Test of Analysis of Variance (ANOVA)**

The score of F-obs 17.71 was higher than F-table 17.71 > 2.43, according to the results of the SPSS 24.0 program analysis. As a result, H1 was approved but H0 was refused. As a result, the five components (content, organization, vocabulary, language use, and mechanics) have different average scores, and the data also revealed that the statistics test p = 0.00 (0.05) revealed that there was a significant difference score among the five components of students' writing ability in the experimental group or that they have different scores.

Furthermore, the organization was the most improved aspect of writing. Because the students can arrange the topic phrase to form a broad statement that is followed by a supporting sentence, the mean score of the organization was 78.38, which was higher than the other components. After that, vocabulary (70.48) had a higher score since students were able to employ acceptable words in a phrase. Next, content (70.43) had a higher score since the students can clearly communicate information in writing form and the material is properly unified and completed. The fourth higher result was mechanics (67.09), which indicates that pupils can
correctly employ capitalization and punctuation. Language use (51.87) received the lowest score of the other components since it refers to grammar and language punctuation, however, the fishbone approach did not adequately describe how to apply language use in writing.

In conclusion, the use of the fishbone method did not improve the students' descriptive writing abilities. Organization, however, was the most substantial improvement of the five writing components.

4. CONCLUSION

The researcher came to the following conclusion based on the research data and discussions:

(1) The application of the fishbone method influenced two components of writing, namely organization, and content, whereas the other components were not affected. It means that the probability value (0.052) was higher than the threshold for significance (0.05). As a result, the implementation of the fishbone method in the descriptive text had no effect on the students' descriptive writing abilities.

(2) The probability value (0.00) was lower than the significant value (= 0.05) in the variant score of the five writing components. Furthermore, the average score of five writing components revealed that the organization was better than the others. This leads to the conclusion that organization is the most significant improvement among the five writing components.

In light of the findings and conclusions presented, the researcher suggests the following:

(a) In the classroom, teachers should monitor the use of the fishbone method effectively in the areas of vocabulary, language use, and mechanics, as the findings of this study did not show any effect on those components; and

(b) Further research with a more thorough investigation of the fishbone method in writing skills should be conducted in various genres.

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