Teacher’s Perception of Self-Directed Learning and EFL Students’ Learning Autonomy during COVID-19 Pandemic

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ABSTRACT

Pandemi COVID-19 memaksa institusi akademik di Indonesia menerapkan pembelajaran online. Akibatnya, guru harus menyiapkan strategi pembelajaran online yang dapat membangun pembelajaran mandiri siswa. Penelitian ini bertujuan untuk menganalisis persepsi guru tentang pembelajaran mandiri, aktivitas yang ditugaskan dalam pembelajaran online, dan komponen pembelajaran mandiri dalam aktivitas. Penelitian ini menggunakan pendekatan metode embedded mixed. Metode yang digunakan untuk mengumpulkan data yaitu observasi, wawancara dan kuesioner. Instrument yang digunakan untuk mengumpulkan data yaitu kuesioner self-rated, tabel observasi, dan tabel klasifikasi. Teknik yang digunakan dalam menganalisis data yaitu statistik deskriptif kuantitatif dan kuantitatif. Hasil penelitian ini menunjukkan bahwa guru merasa dirinya memiliki pengetahuan tentang dan dalam melaksanakan Self-Directed Learning. Guru melakukan proses pembelajaran dalam tiga bagian, yaitu pra kegiatan, kegiatan awal, dan pasca kegiatan. Namun, hanya ada tiga komponen Self-Directed Learning yang diikutsertakan dalam kegiatan tersebut. Dalam kegiatannya, self-directed learning tercermin ketika guru memberikan materi, tugas individu, dan bantuan kepada siswa bila diperlukan. Namun, pembelajaran mandiri tidak tercermin lagi pada pasca kegiatan karena tidak ada refleksi atau upman balik yang diberikan kepada siswa. Diperlukan kegiatan pembelajaran yang lebih efektif dan menarik.

1. INTRODUCTION

Looking at the current situation of the COVID-19 pandemic, Indonesia is one of the countries affected in the education system sector by the pandemic (Hermanto et al., 2021; Nugroho et al., 2021). Many families still find difficulties in carrying out studies from home. Most of them are caused by students’ readiness in self-study and inadequate facilities (Syauqi et al., 2020; Wijaya et al., 2020). The situation forces the educational system of Indonesia to implement online learning (Nartiningrum & Nugroho, 2020; Yulia, 2020). This problem was also found in one high school. Based on the results of observations made at SMA 5 Denpasar, it was found that teachers still had difficulty determining the right learning strategies to be applied in online learning. In addition, students also still have less interest in learning when learning is done independently. This will have an impact on the decreased ability of students. Therefore, the need of a learning strategy that can build self-directed learning on each student becomes more important to be taught to the students (Devi et al., 2016; Saiboon et al., 2021). The importance of self-directed learning in the current situation for students is that they can learn independently in any condition, whether in the online class or actual face-to-face meetings.

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As mentioned in the statement above, to develop students’ learning independence, they should have more exposure to 4C’s learning skills of 21st-century learning (Gürsoy, 2021; Gustavo, 2010). Those skills are critical thinking, creativity, collaboration, and communication (Bedir, 2019; Churchill et al., 2013). Looking at each skills definition, critical thinking is the skill in finding the roots of the problems and observing misconceptions. Students can improve their critical thinking by reading books, asking questions, and giving opinions with different perspectives (Asyari et al., 2016; Seibert, 2020). Creativity means creative thinking to create something new. Creative thinking can be done by imagining situations and events that will produce tentative explanations or solutions also create something new (Ulimuha et al., 2021; Zhou et al., 2013). Students can increase their creative skills through a project or brainstorming (Bystrova & Lorionova, 2015; Wijayanti et al., 2016). Collaboration skill is an engagement working skillfully in a group. In collaboration, students share their ideas, making a decision, problem-solving, contributions, and facilitator in group work to achieve their goals (Farsani et al., 2021; Nordgren et al., 2021). Communication is the ability to communicate verbally to others. Through voice, suitable intonation, expression, gesture, and body language can increase students’ skill of communication (Coffelt et al., 2019). Therefore, it can be observed that those skills are relevant in projecting the students to independent learning because the skills can assist the students’ autonomy in learning.

To provide the students with the four learning skills that can help students’ autonomy in learning, teachers have to find a suitable strategy and improve their motivation and interest in learning (Kembara et al., 2018; Márquez-García et al., 2020). One of the learning strategies that can help students solve problems is Self-Directed Learning (Hawkins, 2018; Van der Walt, 2016). To accomplish it, the teacher should prepare a kind of techniques that they can use for Self-Directed Learning. All of the participants (teacher and students) must support each other and play their role. Teachers, in particular, must be equipped with new knowledge and skills in teaching and learning that are relevant to the development and needs in 21st century learning, so then they could provide the students with effective learning strategy to help them acquire the skills for self-directed learning (Geng et al., 2019). Self-Directed Learning is a learning process where the learners’ control their own knowledge as it represents an essential working in our modern world (Taufiq et al., 2020; Tjakradijdaja et al., 2016). Self-directed learning is a concept of individual control of their choices which is the best way of learning. They learn by their responsibility with guidance from the teacher or instructor. Self-directed learning is also known as self-planned learning or independent learning, which is a process where learners take their own responsibility (Hanik, 2020; Humaar & Hurriyah, 2018). Self-Directed learning also affects the critical thinking of the students, and it influences the other aspects of education (Sert & Boyneügri, 2017).

Relating to the students’ learning autonomy, the goal of Self-Directed Learning is to help learners to develop self-sufficiency in the learning process (Hill et al., 2020; Zhu et al., 2020). Self-directed learners who can learn autonomously select, manage, and assess their learning activities, creating flexibility since they can do that at any time and in any place (Alonderiené & Suchotina, 2017; Shaalan, 2019). Self-directed learners are characterized by their ability to take responsibility for learning, define their learning objectives, effectively use language learning materials, organize learning schedules, and develop appropriate learning strategies that can best meet their needs (Andersen & Watkins, 2018; Chou, 2013). The relation between learning autonomy and self-directed learning strengthens the importance of self-directed learning as a strategy that can help students acquire the skills needed in the 21st century.

In order to implement Self-Directed Learning, several techniques can be used, one of the examples is using projects (Wichadee, 2011). Students can construct their own knowledge through active involvement in learning projects (Wichadee, 2011). Besides, the teacher also can provide the students with homework. Evidence shows that students will be more motivated in doing assignments as well as gaining perseverance (Hong et al., 2015; Logan et al., 2021). Considering teachers’ role in Self-Directed Learning, this current study tries to figure out teachers’ perception toward self-directed learning and the strategies that can be applied in supporting students’ learning autonomy or self-directed learning.

The study was conducted at SMA Negeri 5 Denpasar because teachers in this school had been experienced in working a learning process that involves activities that could engage the students to learn independently. From this point, teachers in this school were suitable for the research as they were knowledgeable in independent learning. Besides, as the current situation did not allow the students and teachers to come to school, they would conduct independent learning frequently, which meant that this school was well-suited with this study—analyzing teachers’ perceptions of self-directed learning in teaching English, analyzing the activities assigned by English teachers in dealing with online learning, and analyzing the components of self-directed learning that can be identified at SMA Negeri 5 Denpasar. To determine the activities that belonged to self-directed learning, it was essential to relate the activities assigned by the teachers with the components of self-directed learning. Therefore, through those purposes, the study would generate a reliable perception of self-directed learning from the English teachers in SMA Negeri 5 Denpasar.
2. METHOD

This study used an embedded mixed-method approach which is a concept that supports a primary category of data. In this research, it was chosen to incorporate embedded mixed method because qualitative and quantitative data were required. SMAN 5 Denpasar, Bali was chosen as the setting of the study with an English teacher as the subject of the study.

The data were collected through questionnaires and observation. The questionnaire was developed in accordance to the theory and was used as an instrument to collect the data related to the teacher’s perception about her knowledge, impact, and implementation of self-directed learning in online learning (Tan & Koh, 2014). The observation was conducted to investigate and describe the learning activities undertaken by the teacher and the students. Therefore, the instruments used to collect the data were a self-rated questionnaire, observation table, and identification table. After the data were collected, the data were then analyzed using interactive model analysis. The questionnaire comprised 11 statements for the knowledge factor, 28 statements for the implementable factor, and 9 statements for the influential factor. Five choices with score 1 to 5 were given for every information. After calculating the scores in every type of content Self-Directed Learning, those scores were summed up and averaged to obtain the score in every self-rated questionnaire.

There were 5 criteria for content knowledge of Self-Directed Learning adapted: no knowledge, lack of knowledge, moderately knowledgeable, knowledgeable, and very knowledgeable Sugiono (2015). There were also 5 criteria for the teacher’s implementation of self-directed learning that was adapted namely non-anticipative, lack of anticipative, moderately anticipative, anticipative and very anticipative Sugiono (2015). Same as the previous, the lowest criteria table was non-anticipative with a range scale of 1 to 1.5; meanwhile, the highest criteria was very anticipative with a range score of 4.6 to 5.0. Those criteria referred to the impact of implementing self-directed learning in online learning. The highest and lowest scores were similar to the two table before, which were strongly influential with scores 4.6 to 5.0 and uninfluential with scores of 1.0 to 1.5.

3. RESULT AND DISCUSSION

Result

It is important to note that the first research question investigated the teacher’s perception of self-directed learning, which were related to her knowledge, implementation, and impacts of self-directed learning. The findings indicated that the English teacher responded to all of the statements in the questionnaire with the total scale of 42 and the average of 3.81. Therefore, the English Teacher of SMAN 5 Denpasar considered herself as knowledgeable in terms of the content knowledge of self-directed learning.

In the implementation, there were 28 statements based on 6 indicators from Tan’s theory (2015) which include providing learner autonomy in task design, involving student in identifying learning gaps, facilitating students to investigate inquiry, goal setting and planning, providing scaffolds for students’ self-monitoring, monitoring students’ learning and providing just-in-time assistance, engaging students in reflection of learning, engaging students’ prior knowledge and allowing them to make connections of what they learn inside and outside of the school.

The findings showed that the English Teacher completed all the implementation statements by giving some scores of 3, 4, and 5. The teacher responded to all statements with a total score of 123, and the average score was 4.39. Therefore, the English Teacher of SMAN 5 Denpasar categorized herself as anticipative in content implementation of self-directed learning.

In the impact aspect, there were 9 statements based on 6 indicators of Tan’s Theory. The English teacher considered self-directed learning as influential. It could be seen from the total score 36 that was gained from the score of 4 for most of the statements. The average impact aspect in Self-directed learning was 4.

The activities were observed through observations that were conducted five times. The findings showed that the teacher assigned the activities in each observation with 3 main activities: pre-activity, whilst activity, and post-activity. It could be seen that the activities posted by the teacher in online teaching and learning in five meeting. All of the observation was conducted in the class of X MIPA 1 SMA Negeri 5 Denpasar. Table 4 shows the activities assigned by the teacher during the online learning process.

Table 4. Activities Assigned by the Teacher during the Online Learning Process

| Observation | Lesson Segment | Activities assigned by the teachers |
|-------------|----------------|------------------------------------|
| Observation 1 “pronouns” | Pre-activity | Students filled the attendance list through Google Forms in Google Classroom |
| | Whist-activity | Students did assignment given in Google Classroom |
| | | Students submitted their work to the submission room in |
### Discussion

The first observation with “Pronouns” as the topic. In the pre-activity, the teacher greeted the students through WhatsApp group by saying “morning” to the students, then asked them to fill the absence list on Google Classroom. After that, the students listened to the instruction to write and comprehended the material given in Google Classroom.

The findings indicated that the English teacher responded to all of the statements in the questionnaire with the total score of 42 and an average of 3.81. Therefore, the English Teacher of SMAN 5 Denpasar considered herself as knowledgeable in the content knowledge of self-directed learning. The findings showed that the English Teacher completed all the implementation statements by giving some variations score, such as 3, 4, and 5. The teacher responded to all statements with total score of 123 and the average of score was 4.39. Therefore, the English Teacher of SMAN 5 Denpasar categorized herself as anticipative in terms of content implementation of self-directed learning. In the impact aspect, there were 9 statements based on 6 indicators of Tan’s Theory. The English teacher considered self-directed learning as influential. It could be seen from the total score 36 that was gained from the score of 4 for most of the statements. The average of impact aspect in Self-directed learning was 4. The findings further indicated that the teacher knew how to give self-directed learning through her implementation in online education. By providing understanding independently, teachers were able to create students who were ready to face 21st-century learning.

#### Activities assigned by the teachers

| Observation | Lesson Segment | Activities assigned by the teachers |
|-------------|----------------|-------------------------------------|
| Observation 2 “possessive adjective and possessive pronoun” | Post-activity | Google Classroom |
| | Pre-Activity | Exchanging “thank you” and ending the class |
| | Whist-activity | Students filled the attendance list |
| | | Students listened to the instruction of today’s material and comprehended the material given in Google Classroom |
| | | Students did the assignment about completing 5 sentences with the suitable pronouns |
| | | Students submitted the assignment in Google Classroom |
| | | Students asked some questions about possessive pronoun and possessive adjective |
| Observation 3 “writing” | Post-activity | Closing by saying “thank you” |
| | Pre-activity | Students filled the attendance list |
| | Whist-activity | Students did an assignment about writing their activities during Galungan and Kuningan with minimal ten sentences. |
| | | Students submitted the assignment |
| Observation 4 “congratulations and complements.” | Post-Activity | - |
| | Pre-Activity | Students filled the attendance list |
| | Whist-Activity | Students did an assignment about answering 5 questions about congratulatory |
| | | Students submitted their work |
| Observation 5 (November 18th, 2020) “Descriptive text” | Post-activity | - |
| | Pre-Activity | Students filled the attendance list |
| | Whist-activity | Students did an assignment about describing one of their favorite places with minimal 10 sentences. |
| | | Students submit their work in the submission form in Google Classroom |
| | | - |
“pronouns”. The practice is in line with the theory, whereas the teacher needs to monitor students’ learning and provide just-in-time assistance when needed and provide scaffolds for the students. After the whist activity, the teacher-led to a post-activity (Hanik, 2020; Tjakradidjaja et al., 2016).

In the post-activity, there was no learning related to the activity done by in the post-activity session. Teacher only closed the meeting by greeting the students, and students answered it by saying “thank you.” The teacher did not give students tasks; therefore, there was no feedback at the end of the activity. This activity does not reflect the practice of self-directed learning (Humaira & Hurriyah, 2018; Sert & Boynueğri, 2017). The last phase of the learning process must engage the students in reflection of learning, engage their prior knowledge, and draw the connection of what they learn inside and outside of the school (Hill et al., 2020; Zhu et al., 2020). Since the post-activity only ended up with the teacher and the students exchanging greetings, the process of self-directed learning was not happening.

From observations I-V, the teacher did not implement self-directed learning effectively. It was because there was only 3 component of self-directed learning that could be implemented. Based on the results of the observation table, in the pre-activity, the teacher only assigned the greeting and absences list through Google Form. The vital activity in pre-activity was preparing before jumping into the material; the students needed to be physically and mentally ready for online learning activity (Alonderienė & Suchotina, 2017; Shaalan, 2019). The teacher should give appercception like giving pictures or quiz in the pre-activity to attract students’ attention (Setiyani et al., 2020; Taylor et al., 2017).

The absence of interaction in the classroom could make the students quickly getting bored, by providing interaction with students can encourage courage in discussing and sharing (Komalasari & Rahmat, 2019; Yulando et al., 2019). The examples of assignments given by the teacher to students were writing their activities during Galungan and Kuningan with a minimum of ten sentences. This task already reflected a component in self-directed learning, namely provide autonomy task design (Taufiq et al., 2020; Tjakradidjaja et al., 2016). This activity was vital because it aimed to ascertain whether students could participate in online learning or laziness around because no one was watching them. Meanwhile, in the post-activity section, the teacher did not do any activities in closing the lesson. This segment referred to check their understanding of the material that had been taught previously. In general, post-activity provided opportunities for students to reflect and even students could share their knowledge with other students during learning activities (Khakiim et al., 2016). The conclusion showed that the teacher carried out no activity in the post-activity segment in each observation.

As shown in the observation findings, the activities in the implementation of self-directed learning focused on three main activities: pre-activity, whilst-activity, and post-activity. It can be seen that there was only a greeting section and filling the absences in the pre-activity. It certainly did not show Self-directed learning based on Tan’s Theory (Tan & Koh, 2014). In the second activity, students did an assignment in Google Classroom, it showed that the existed components based on Tan’s theory of Self-directed learning involved students in identifying the learning gaps. The element of involved students in identifying learning gaps meant that the teacher instructed students to read their assignments and then worked on them without teaching them at first (Hanik, 2020; Humaira & Hurriyah, 2018). The teacher could also ask them to answer questions to measure the level of students’ understanding in doing the task. The purpose of this component was to determine students’ knowledge without being taught it first.

In the observations made previously, the teacher always gave assignments without giving prior explanation to students to encourage students into student-centered learning and let them understand about their assignments. In the third activity, there was no existed component of Self-directed learning. The last activity was the students did the discussion based on their questions for the teacher if they still confused about the material. It could be seen that the existed components were monitoring students’ learning and providing just-in-time assistance. Based on the activities assigned in the online teaching and learning process, three Self-Directed Learning components could be identified based on Tan’s theory. Those indicators included providing autonomy task design, involving students in identifying learning gaps, monitoring students’ learning, and providing just-in-time assistance (Hill et al., 2020; Sert & Boynueğri, 2017). In the context of autonomous learning and self-directed learning, some of the teachers’ activities have already promoted autonomous learning to the students (Alonderiené & Suchotina, 2017; Zhu et al., 2020). The activities include giving and explaining materials, assigning the students with the individual and independent task, and providing assistance to the students when they were in need (Shaalan, 2019).

However, the findings also indicated that the application of Self-Directed Learning in the online learning was still not maximal. The questionnaire results showed that the teacher considers herself to have good knowledge in Self-Directed Learning, but in fact, the teacher only applied three indicators of Self-Directed Learning adapted from Tan (2014). However, instead of only listening and depending on the teacher, they need to be encouraged to be more active by being involved in discussion related to something fun to learn. Therefore, from the results, it can be said the self-directed components used in the activities were not optimal yet.

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Therefore, the teacher needs to provide further components to encourage the students to be autonomous, self-directed learners.

4. CONCLUSION

The questionnaire result showed that the teacher perceived herself to be knowledgeable about perceptions in the content of knowledge of self-directed learning, anticipative in implementing self-directed learning in online education, and influential in learning in self-directed learning. The results indicated that the teacher already understood the use of self-directed learning in the learning process, especially in COVID-19. The observation revealed that the teacher conducted learning activities divided into three: pre-activity, whist activity, and post-activity. In the whist activity, self-directed learning was reflected as the teacher gave students materials, individual tasks, and assistance when needed. However, self-directed learning was not reflected again on the post-activity as there was no reflection nor feedbacks provided for the students.

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