

# Learner's View on English Language Teaching by Hybrid System Technology in Supporting Maritime Sector

Rikat Eka Prastyawan\*, Daisy Dwijati K.R, Desi Tri Cahyaningati, Perwi Darmajanti, Ika Erawati

Politeknik Perkapalan Negeri Surabaya, Surabaya, Indonesia

Corresponding Email: rikateka@ppns.ac.id

**Abstract.** Human Resource Development becomes the key to change the better condition. One of components which influence its development is by mastering the international language. Indonesia as the archipelago country must be strong on maritime sector followed by potential human resource development. One of the ways which could be done is by improving the communication skill by using English Language. English has been introduced for learners since they are in the kindergarten. They have learned English for more than 12 years after they graduate in level of Senior High School. The research question in this study was how was the learners' view on English Learning to become young generation having good communication skill? This research aimed to know the learner's view by reflecting their prior experiences in English learning that had been done. This study conducted a descriptive quantitative by using survey to get the data. The instrument of the research referred to the skill of communication components reflected to the learners' experiences in English learning process since the long period of time. There were 30 learners delivering their ideas on English learning to answer the research question. The result showed that the learners had the obstacles dominantly in linguistics, social and culture, even psychological factors. It could be concluded that becoming a good communicator by using English, it needs the exploration on the learner's view in order to omit his or her obstacle in learning or acquiring English Language. It's really hoped that this research could give the discourse for English learners and teachers so young generation could have good communication skill by using English to support the maritime sector as the nations in archipelago country.

**Keywords:** English Teaching, Hybrid System Technology, Language Teaching

## 1 Introduction

Technology is something which helps human to make something easily. It covers various environment including teaching and learning process. Hybrid System Technology is the one which helps students learn English by having a combination online and offline way in learning. Students in Polytechnics must get practical learning more than theoretical one. Students are given the skills to do something including the soft skill in communication. Hybrid System which offers the bigger chance to students could be effective and efficient in delivering the materials. Theoretical Materilas could be given by learning management system, google classroom, and others, while the practical materials could be done in the classroom. Students could read the materials in their free time and practice when having the offline class. Although English has been introduced for the students since they were in kindegarten, It is quite difficult to develop their competents to use speak English as a way to communicate. They have learned English for more than 12 years, but they are still getting problem to speak English fluently. There are many factors which cause them difficult in developing English to be used in communication in the classroom, formal situation such seminar, spoken examination. There is no guidance given by the teacher that could help the student understand the inner components of English language such as part of speech. Grammar, even pronunciation.

Those basic linguistic components must be understood by the students to develop the language. This research was conducted by using the students of Politeknik Perkapalan Negeri Surabaya. They came from Management Bussiness Study Program which ran English 2 in the second semester. Developing on English language competent is important for the students. After graduation, they will work in maritime industries dominantly. If the students could achieve good soft skill in communication by using English Language, they will be easily accepted in the test of recruitment in industries. Based on the background above, this research investigated on "How was the learners' view on English Learning to become young generation having good English communication skill? This research aimed to know the students' view on English Learning to achieve their softskill in communication by using English. English Language Teaching in Polytechnic could be wrapped into natural language processing. It

creates the dynamic learning for students to get the comfortable conditions[7]. When it could be conditioned, the teaching and learning process gives the different nuance for students.

### **1.1 Hybrid System Technology**

Technology is the way to help a human work in various fields involving educational learning. Brown et al (2017), Fiel (2020) mentioned that hybrid or hybrid learning technology could be implemented as the best practice in the classroom[1][3]. Hybrid System Technology is the one which is used by the lecturer to conduct English Learning by combining Google Meet virtual meeting and Learning Management System to deliver English materials. Google meet is the technology to meet between students and teacher or lecturer by online system. The students had to install the application of Google Meet in their mobile phone and the teacher or lecturer did it as well. By internet access the link of virtual could be created easily. By google meet, teacher or lecturer and students could have good interaction related to the materials of English.

On the other hand, Delivering English Materials could be done by using Learning Management System for practical materials even the theoretical one. One of the application offered by Google freely is Google Classroom. The Google Classroom or other Learning Management System such moodle, lms, or other platforms could display the materials by open system. The time setting to submit, share, even evaluation could be well managed. This technology uses the drive to save all learning data which could be downloaded anytime and anywhere so far the device is available including the internet access. According to Zulqarnain (2021) the hybrid system approach could be classified into question in learning[6]. It could be the assessment to measure the students competency for evaluation. Lyerly et al (2022) mentioned that the hybrid learning was the effective one to implement in the classroom although the level was in the basic level[6].

### **1.2 English Language Teaching in Polytechnic**

One aspect of Indonesian students' weaknesses in mastering English is a lack of vocabulary. Vocabulary is an important component in teaching English in addition to other components such as structure, pronunciation, and intonation. Vocabulary has a very vital role, because if a student is weak in mastering vocabulary, he/she cannot communicate his thoughts and ideas as clearly as he wants, both orally and in writing. He could not perfectly express what the student wanted to convey when he/she spoke or wrote. Likewise, the student cannot properly understand the contents of the text he/she reads because of limited vocabulary to form sentences which are spoken orally and in writing as well as to read and listen to the news or conversations from various sources. Skills of English Language involving listening, reading, speaking, and writing are integrated each other's. Vocabularies could be achieved by reading. In reading skill, the student or learner could know exactly the vocabularies. If they do not understand the meaning, they could open the dictionary by online or offline.

However, reading skill needs an appropriate level for learners. If the learner or student belongs to basic learner, he/she could understand the simple text in English. It helps him to gain more and more vocabularies as well as the pronunciation. However, if the basic learner read the advance level of English reading materials, he/she did not have any motivation more and more because the materials in reading skill could not be well understood and caused him/her bored in learning. In the listening aspect, the learner is stimulated to catch the meaning to what the teacher or lecturer said or the voice of native speaker through the audio listening files. Learners feel so excited when they could understand what the someone says by using English.

Moreover, the learners could imitate indirectly to the source speakers related to the pronunciation, dialect, and intonation. So, the listening skill becomes the important to support other skills. Writing is one skill which could strengthen the learners' memories to the vocabularies they have got. By writing the learners could use them to express the ideas in the written cycle. This skill could help the learners to analyse the part of speech to the vocabularies they have. Moreover, the writing skill could stimulate the learners to organize the ideas in a clear and logical way. When the level of writing could be well accommodated based on the level of learners, it gives valuable contribution for the learners in developing ideas and using the vocabularies in the proper English patterns. Learners have strong memory by practicing to write so their creativities to explore the ideas are stimulated naturally. All skills above could be delivered by hybrid or blended learning activities. So far, the internet access does not become the barriers, it would be efficient to conduct. According to Budhrani K and Wang C (2019), online class could make the students practice efficiently. That condition did not take places to have learning[2].

### **1.3 English in Supporting Maritime Sector**

Teaching English in Polytechnic belongs to English for Specific Purpose. It is not used to make the students become English teachers. English materials are given based on the needs of graduate profile in each study program. However, English Teaching in Politeknik Perkapalan Negeri Surabaya has decided the appropriate topics to be given for students. Students get English one to five for four years Diploma. It means that they get

English since in the first semester to fifth. Delivering English in the longer period for students is hoped to make them competent in mastering international language.

Politeknik Perkapalan Negeri Surabaya declares its vision to be excellent polytechnic with global reputation. One of ways to be global reputation for graduate students is delivering English as well as possible in order to make them active in English as the tool to develop their communication skill. Most of Graduate Students of PPNS work to Industries running for maritime sector. By mastering English Language, they could compete globally to develop shipping industries in maritime sector. Achieving global reputation needs good awareness owned by the academia such as teachers, lecturers, and students. Lynch M (2016) said that the constructivism approach was needed to change the mindset of learning[5], It means that English learning becomes the key to support the maritime sectors if the awareness to have the agent of change is owned by everyone.

## 2 Methods

This research used a descriptive quantitative. There were 36 students to become the respondents as well as the source of Data in this research. The Instrument displaying the data was the questionnaires to answer the research question on how the learners' view on English Learning to become young generation having good communication skill was. Hybrid System has already implemented to deliver English Teaching for students. Observation during the class became the additional supporting data in order to investigate on their awareness of teaching and learning process. The age of students belonged to young generation who could support the glory of Gold Period Generation of Indonesia Independence in the year of 2045. The obtained data was analysed quantitatively by using google form analysis displaying by the graphs. The researchers measured on the reliability ( $r$ ) of questionnaires by using the following formula to determine all questions could be well understood by the respondents.

$$r_{11} = \left( \frac{k}{k-1} \right) \left( 1 - \frac{\sum \sigma_b^2}{\sigma_1^2} \right)$$

$k$  : the number of questions  
 $b$ : variant numbers of questions  
 $\sigma$  : total variant numbers of questions

Coefficient of Reliability was used to determine the questionnaire whether it could be used effectively to measure the data which had been achieved by the researchers. When the coefficient was low, the questions had to be revised till it brought the understandable questions.

## 3 Result

Based on the data analysis, it could be achieved the coefficient of reliability of the questionnaire by the coding all questions which were available in the questionnaires and counted all total points. So, the coefficient of variant numbers of questions could be achieved in the following calculation;

$$\begin{aligned} \sigma_1 &= \frac{145 - \frac{43^2}{15}}{15} = \frac{21,74}{15} = 1,45 & \sigma_5 &= \frac{149 - \frac{45^2}{15}}{15} = \frac{14}{15} = 0,93 \\ \sigma_2 &= \frac{191 - \frac{51^2}{15}}{15} = \frac{17,6}{15} = 1,17 & \sigma_6 &= \frac{111 - \frac{37^2}{15}}{15} = \frac{19,73}{15} = 1,31 \\ \sigma_3 &= \frac{94 - \frac{34^2}{15}}{15} = \frac{16,94}{15} = 1,13 & \sigma_7 &= \frac{145 - \frac{43^2}{15}}{15} = \frac{21,74}{15} = 1,45 \\ \sigma_4 &= \frac{139 - \frac{41^2}{15}}{15} = \frac{26,94}{15} = 1,79 & \sigma_8 &= \frac{134 - \frac{40^2}{15}}{15} = \frac{27,33}{15} = 1,82 \end{aligned}$$

$$\begin{aligned} \sum \sigma_b^2 &= 1,45 + 1,17 + 1,13 + 1,79 + 0,93 + 1,31 + 1,45 + 1,82 \\ &= 11,05 \end{aligned}$$

Then, the researcher calculated the total of variants in the questions by getting the total of all respondents and make them into quadrate having mines by every total point filled by all respondents each questions divided by the questions variants. So the final calculation of variant total could be known as following calculation;

$$\sigma_t^2 = \frac{8.230 - \frac{334^2}{15}}{15} = \frac{792,93}{15} = 52,86$$

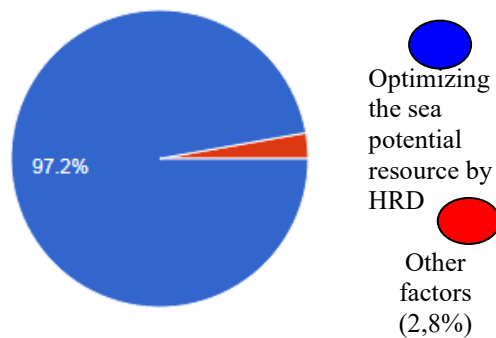
The last step to determine the coefficient reliability by inserting all coefficient to the formula which had been set to judge whether the questionnaires were valid.

$$r_{11} = \left( \frac{k}{k-1} \right) \left( 1 - \frac{\sum \alpha_i^2}{\sigma_1^2} \right)$$

$$r_{11} = \left( \frac{8}{8-1} \right) \left( 1 - \frac{11,05}{52,86} \right) = (1,142)(0,79)$$

$$r_{11} = 0,90$$

Reliability coefficient showed 0.90 meant that it was higher than 0.70 by percentages of significant 5%. It meant that all type questions available could be categorized as the good reliability assessment. After achieving it, the researchers used it to know the learners' views on hybrid system technology in implementing English Language Teaching to support the maritime sectors. The result showed that the students who became the data in this research thought that Indonesia has good potential resources in the maritime sectors to achieve the glory of Golden Period of Indonesia Independence in 2045. One of the sectors to achieve it was the potential of Human Resource Development on mastering the international language. They thought it was very important to do to compete globally for maritime sectors. The way of communication could not be separated to the language competency especially for English. It became their soft skill which helped them develop the career.

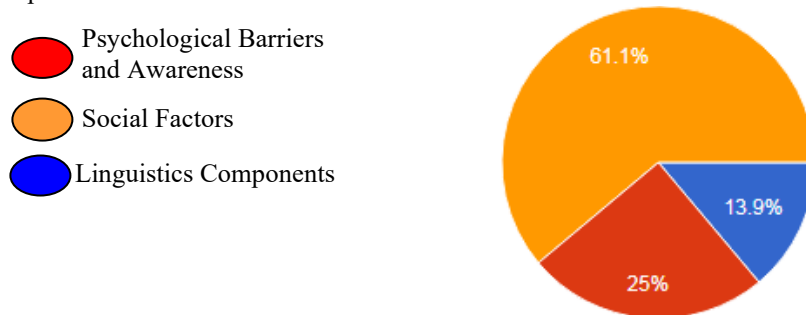


**Figure 1.** Soft Skill Develop Career

International networks could be enriched by having a good soft skill in English language as a mean of international communication among others. The use of Hybrid System Technology supported them to give more chance to practice English by public speaking. Google meet was used to directly monitor on the students' progress to use English while google classroom was used to share the theoretical materials wrapped in interactive teaching materials. Google Classroom or Learning Management System offered the tool to evaluate the learners' understanding by giving the type of quiz. Teaching Materials could give more vocabularies for the students to be used in their public speaking. By google meet, the lecturers could listen and observe the students' attitude while having public speaking. Teaching and learning Process could be done effectively when it was supported by technology in hybrid system so far there was no trouble for internet connection. Learners thought that English was a tool to comprehend other skills and knowledge especially for maritime sectors. They believed on mastering the international language, they could go everywhere they wanted.

They could learn new technology which could be got from the international seminar, international training program, and others. Getting the scholarship to further study needed competent to have language competence by Test of English for International Communication, Test of English Foreign Language, even International of English Language Testing. According to the analysed data, the learners' viewed that maritime sectors such as marine resources to the human welfare could be optimized by mastering the international language to support and develop human resources integrated in the global system. The following was the graph showing the percentage on the agreement that English was one factors to have sustainable development in maritime sectors.

They thought the potential of human resource development could optimize the potential of sea so far, they could use English to gain the new technology, idea and knowledge sharing, communication conducted in international seminar, and others. 97, 2 percentage agreed to that view while the rest was disagreed. It showed that English had an important role to achieve other skills in order to accelerate the human resource development. Students who learned in Politeknik Perkapalan Negeri Surabaya got English Language Learning at least one and a half year by implementing the hybrid system for three years diploma and two and a half years for four years diploma.



**Figure 2.** Potential Human Resource

Additional View given by the learners on English Language Teaching by hybrid system was the learning obstacles showing the highest percentage on Psychological Barriers and Awareness. It achieved 61, 1 %. Other factors could be seen in the following graph. The orange colour was for the dominant factors. Then it was followed by the red colour for Social Factors such as having no community and habit to develop English language with 25 %. The blue one was English linguistic Components with 13,9%. It showed that students' psychological factors and awareness handled the main role to have teaching and learning process.

Development on Language Competency needed along period to develop. Learners' Awareness could be stimulated by inner factors. It was difficult to change the learner's mindset to the language competency. However, it did not mean that it was impossible to do. Additional Explanation was given by the learners that No Fun, No Gain. They did English learning by watching film, listening to English songs, having some English Courses based on their needs, Practicing English by rehearsing individually or in a tea work. Those activities had stimulated them to develop their English Competent.

### 3 Conclusions

The views given by the learners on Language Teaching by using Hybrid System Technology could give more chances to practice English. Theoretical materials could be implemented in the practical one so that the learners felt free to deliver or express their ideas. They had more vocabularies, patterns, and pronunciation to practice to be public speakers. So far the learners' barriers were on psychological factors and their awareness on developing English language, the role of teachers or lecturer were needed to guide them by giving the role model as the active English Speakers and did not give them direct correction to their mistakes. It made them inconveniences or less confidence to use English. The Concept of learning by mistakes was continuously delivered to the learners so that they could not have psychological factors as their learning barriers.

### 4 Acknowledgements

Authors delivered the acknowledgments to the learners and team who had contributed to this completeness of research. A huge thankfulness was delivered to Politeknik Perkapalan Negeri Surabaya which had given facilities and helps to run activities in this research. Authors hoped the results of research could give contributions to the teachers or lecturers to implement the technology while teaching to assist the learning process. It was helpful to achieve the learning goals to support the human resource development through the language competent.

### References

- [1] Brown, R., Ernst, J., Clark, A., Deluca, B., & Kelly, D. (2017). Best practices: Technology education courses and classrooms naturally lend themselves to providing active learning opportunities for students. *Technology & Engineering Teacher*.

- [2] Budhrani, K., & Wang, C. (2019). Examining faculty perception of their readiness to teach online. *Online Learning*, 23(3), 97-119. doi:10.24059/olj.v23i3.1555. <https://files.eric.ed.gov/fulltext/EJ1228799.pdf>
- [3] Fiel, Jasmine Rose R. (2020). Knowledge, Attitude, Barriers, Motivation, and Adaption of Blended Learning. Retrieved: June 2, 2021 from [https://www.researchgate.net/publication/344677402\\_Knowledge\\_Attitude\\_Barriers\\_Motivation\\_and\\_Adaption\\_of\\_Blended\\_Learning](https://www.researchgate.net/publication/344677402_Knowledge_Attitude_Barriers_Motivation_and_Adaption_of_Blended_Learning)
- [4] Jasmin Monteros-Lyerly (2022); Challenges, Opportunities, Attitude, And Implementation Of Blended Learning In Basic Education In The New Normal . *Int. J. Of Adv. Res.* **10** (Sep). 233-257] (ISSN 2320-5407). [www.journalijar.com](http://www.journalijar.com)
- [5] Lynch, M. (2016). Social Constructivism in Education. <https://www.theedadvocate.org/social-constructivism-in-education/>
- [6] M. Zulqarnain, A. KhalafZagerAlsaedi, R. Ghazali, M. G. Ghouse, W. Sharif, et N. Aida Husaini, « A comparative analysis on question classification task based on deep learning approaches », *PeerJ Computer Science*, vol. 7, p. e570, août 2021, doi: 10.7717/peerj-cs.570.
- [7] Sangare Seydou, Konan Marcellin Brou, Kouame Appoh and Kouadio Prosper Kimou (2022); Hybrid Model For The Classification Of Questions Expressed In Natural Language *Int. J. Of Adv. Res.* **10** (Sep). 202-212] (ISSN 2320-5407). [www.journalijar.com](http://www.journalijar.com)