

Link and Match Socialization of Maritime Vocational College Graduates in the Field of Shipping with the Business and the Industrial World

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ABSTRACT

The "link and match" program intensified by the Ministry of Education and Culture does not only benefit the world of education which makes it easier to adjust to the industry. The purpose of this community service is to provide socialization about Link and Match Maritime Vocational College Graduates in the Field of Shipping with the Business World and the Industrial World and know about the absorption of graduates produced by universities with the Business World and the Industrial World. The method used in this community service activity is socialization about Link and Match Maritime Vocational College Graduates in the Field of Shipping with the Business World and the Industrial World. The results of dedication in the form of socialization about Link and Match Maritime Vocational College Graduates in the Field of Shipping with the Business World and the Industrial World ran smoothly. In addition, the average percentage of absorption of vocational school graduates at Yogyakarta Maritime College was obtained through the Link and Match Program which was created to synergize vocational education with the industrial world to increase the absorption of vocational school graduates so that they can become reliable workers while saving expenses to become new human resources following industry needs of 92.11%. The absorption of graduates for graduates of the D3 Marine Transportation Management study program is 84.00%, the absorption of graduates for the D3 Ship Machinery study program is 100% and the absorption of graduates for the D3 Nautical Studies study program is 100% of the total 70.37% of tracked graduates.

Keywords: Link and Match, Graduate, Vocational, Business, Industrial

Received: 09.03.2024	Revised: 22.04.2024	Accepted: 24.04.2024	Available online: 28.04.2024
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Suggested citations:

Dekanawati, V., & et al. (2024). Link and Match Socialization of Maritime Vocational College Graduates in the Field of Shipping with the Business and the Industrial World. *International Journal of Community Service*, 03 (01), 88-97. DOI: <https://doi.org/10.55299/ijcs.v3i1.808>

Open Access | URLs:

<https://ejournal.ipinternasional.com/index.php/ijcs/OpenAccessPolicy>

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INTRODUCTION

Education is one of the main targets of the government in order to improve the welfare of the people (Mustari & Rahman, 2014). In today's life, everyone is interested in the course of education because education is a forum for labor development, can increase employment, and to obtain a certain status in society (Mirowsky, 2017). In universities, there are various study programs with their peculiarities (Pavliuk et al., 2017). Each study program will produce a graduate profile whose expectations are by industry demands (Jackson, 2010). Each university will also open various admission paths based on academic achievement as evidenced by report cards or test results as well as extracurricular achievements (Zeegers*, 2004). The number of pathways and criteria for college entrance, including the variety of types of study programs, makes students feel confused when making choices when continuing to higher education. Youthmanual, a startup company from Universitas Multimedia Nusantara (UMN) has conducted research on 400,000 students from all over Indonesia (Helmy Fitriawan & Septama, 2021). According to the published research, the percentage of students who feel confused when choosing a study program is 92%. While the percentage of students who have entered college but feel wrong taking the study program has a process of 45%. The figure shows that students do not get enough knowledge from both the school and the environment about entry routes and study programs in higher education (Kuh et al., 2011). The first educational change is related to the education system, namely the traditional education system is reformed into an empowering education system of people (Fullan, 2015). This is done because old-style (traditional) education considers students as objects that must accept whatever the teacher gives, the empowering of people education system is expected to develop community abilities.

The "link and match" program intensified by the Ministry of Education and Culture actually does not only benefit the world of education which becomes easier to adjust to the industry (Disas, 2018). Conversely, the industry also feels the same way by getting reliable labour, while saving expenses to capture new human resources because it is by their needs. The advantage of this 'link and match' is that it requires a reliable workforce (Dewi et al., 2023). That is, the skills of this workforce are by the job desk. Another expected advantage is cost efficiency. It will be more efficient if the workforce can be recruited from the nearest location so that the company can reduce the costs incurred. The next benefit is intangible assets, which are specifically for workers who are fixed for long-term company sustainability. In addition, education also benefits. First, there is the suitability of the program taught if it can synergize with industry needs. Then the second is the absorption of graduates. That is, if the "link and match" program goes well, there will be no more gap between education graduates and workforce needs (Hartanto et al., 2024). The last is development, such as development in teaching materials that can be adjusted to the development of industrial needs (N Astriawati et al., 2019). With the campus through practical work, internships, theses or final projects, joint research, and studium generale. From the background above, Yogyakarta Maritime College held community service through socialization with the theme "Link and Match Graduates of Maritime Vocational

College in the Field of Shipping with the Business World and the Industrial World". The purpose of this community service is to provide socialization about Link and Match Maritime Vocational College Graduates in the Field of Shipping with the Business World and the Industrial World and know about the absorption of graduates produced by universities with the Business World and the Industrial World.

METHOD

The implementation of this community service activity is carried out in a blended seminar, which means that activities are carried out online and offline (Ningrum Astriawati & Pratama, 2017). The stages carried out in the implementation of this service activity are as follows: Preparatory Stage, coordinating with participants of the Bantul Regional Guidance and Counseling Teacher Deliberation, with the results that there were 44 participants in the implementation of this service, consisting of teachers who are members of the Bantul Regional Guidance and Counseling Teacher Deliberation. The next stage is the Implementation stage. In the first stage of implementation, socialization was carried out regarding the history of the development of Yogyakarta maritime high school which was carried out offline. Furthermore, the second socialization regarding the brief Profile of STIMARYO regarding the Vocational Program at STIMARYO was also carried out offline. The third socialization is about the Profile of STIMARYO graduates who have worked in the business world and the industrial world through online via Zoom meeting with graduates which was witnessed directly with MGBK teachers in the Bantul region. The last stage is to evaluate the absorption of vocational graduates at Yogyakarta Maritime College through Link and Match Maritime Vocational College Graduates in the Field of Shipping with the Business World and the Industrial World.

RESULTS AND DISCUSSION

The first socialization of this community service was about the history of the development of Yogyakarta maritime high school which was carried out offline. Yogyakarta has a maritime high school, established in 1964. On August 26, 2019, this campus changed its form from the Yogyakarta Maritime Academy (AMY) to the Yogyakarta Maritime College (STIMARYO), this institution is organized by the Yogyakarta Maritime Education Institute Foundation (YIPMY). Currently, STIMARYO is accredited by BAN-PT and has international standards by managing three Diploma Three (D3) Study Programs and two Bachelor (S1) Study Programs including D3 Marine Transportation Management Study Program accredited by BAN-PT ranked "A", D3 Ship Machinery Study Program accredited by LAM TEKNIK with a rating of "VERY GOOD", D3 Nautical Studies Study Program accredited by BAN-PT with a rank of "B", S1 Transportation Study Program accredited by BAN-PT ranked "GOOD", S1 Maritime Business Study Program accredited by LAMEMBA rating "GOOD". STIMARYO aims to produce Human Resources who have competence in the field of Maritime and Transportation in the digital era, so that they have high competitiveness in the world of work. This is marked by thousands of STIMARYO

alumni who have been absorbed in the world of work both nationally and internationally. Continuously improve the quality of education by referring to standards set by national regulations and the International Maritime Organization (IMO) so as to produce competent graduates (Handoyo et al., 2022). Maritime Innovation Campus accredited by Institution "B" BAN-PT & international standard approved by IMO Administration Directorate General of HUBLA, Complete learning facilities supported by experienced & reliable teaching staff in their fields in collaboration with leading shipping & maritime companies nationally and internationally, Representative campus system & atmosphere increase insight into academic knowledge, form a strong personality character, spirit of struggle and integrity which is high (Pratama et al., 2023). STIMARYO graduates have brilliant career opportunities, supported by alumni spread throughout the archipelago and complete learning facilities supported by experienced & reliable teaching staff in their fields. The following is a socialization session about STIMARYO's brief profile.



Figure 1. Socialization of the Service Team Regarding the brief profile of STIMARYO

The second socialization is about the brief profile of STIMARYO. The Vocational Program at STIMARYO has 3 study programs including the D3 Marine

Transportation Management study program, the D3 Ship Machinery study program and the D3 Nautical Studies study program. The D3 Marine Transportation Management study program is a study program that prepares graduates as experts in the field of marine transportation management. The program covers materials such as ship operations management, maritime logistics management, shipping management, port management, risk and security management, and maritime environment management. Cadets and cadets who take this study program will learn about effective port management strategies to manage port business and operations, shipping operations, human resource management, ship and cargo security and safety, and compliance with international regulations and standards. Career opportunities for study programs include Shipping Companies, both private, state-owned, and national to international governments, stevedoring companies; Marine Freight Forwarding Companies or Forwarding; Warehousing Companies; Government Agencies: Directorate General of Perhubla, Customs, and TNI (Career officers); Provincial & District/Municipality Transportation Office.

Furthermore, the D3 Ship Machinery study program is a study program that prepares cadets to become ship machinery sailor officers who can operate, maintain, and repair engines on ships. In this study program, cadets will study materials such as diesel engines, steering systems, cooling systems, fuel systems, electrical systems on ships and auxiliary aircraft on ships. In addition, cadets will also be trained to develop practical skills, such as the ability to perform machine maintenance and repair, replacement parts as well as the ability to read and understand technical drawings. After graduating from the D3 Ship Machinery study program, cadets / cadets get a Double Degree Diploma of Technical Expert Level - III (ATT-III) and Diploma 3 so that they can work in shipping companies, ship repair companies, and shipping industry. Career opportunities for D3 National and foreign Docking & Shipping Companies; Interinsular and Transoceanic machinists for freighters, passengers; tankers, tours, tugs, dredges & so on; Shipping & Maritime Services Company, both national and international; Government Agencies: Directorate General of Perhubla, and Career Officer.

For the D3 study program, Nautical Studies is a study program that prepares cadets to become deck ship officers responsible for shipping and ship safety. In this study program, cadets will study materials such as navigation, meteorology, maritime regulations, health management, ship safety, crew protection, cargo and the environment. Cadets will also be trained to develop practical skills, such as the ability to operate the ship safely, operate navigation equipment on board, understand meteorological data, cruise management and others. In addition, cadets will also learn about procedures to be followed in emergencies and cruise safety officers. After graduating from the D3 Nautical Studies study program, cadets get a Double Degree diploma of Nautical Expert Level III (ANT III) and Diploma 3 so that they can work as ship officers on ships sailing in national and international waters. Career opportunities for Nautical study programs are shipping companies, both private and state-owned, both nationally and internationally; Great Sailing Skipper for all types of ships according to their classification; Government Agencies: Directorate General of Perhubla, Scout Service, Syahbandar, PELINDO, and TNI (Career Officer) and Customs.

The next socialization was about the Profile of STIMARYO graduates who have worked in the business world and the industrial world through online via Zoom meeting which was witnessed directly with MGBK teachers in the Bantul region. Alumni who played a role in the introduction include STIMARYO graduates who have worked in the business world and the industrial world including:

1. Salmiya Nur AL Fathia Artanti who works at PT. Buana Lintas Laut, Tbk Cab. Surabaya graduated from the D3 Marine Transportation Management Study Program and continued S1 Transportation at the same campus; Shueb Abrori who works on a ship owned by PT. Mandiri Sejahtera Abadi Line as a convert III who is a graduate of D3 Nautical Studies.
2. Beriana Vitatelia, a graduate of the D3 Marine Transportation Management Study Program at PT. Lintas Bahari Nusantara, Banten as an operational ship agent takes care of or helps sign on/off crew who want to be on board, other crew documents, and take care of ship manning certificates / safe maning.
3. Muhammad Rizka Falahudin graduated from the D3 Marine Transportation Management Study Program further to S1 Transportation. Working at PT. Pelni (Persero), placement of Kota Baru, Kalimantan, Position: Staff for Operations and Services.
4. Ricky Reza Sundaya graduated from D3 Marine Transportation Management Study Program, works at PT. Anugerah Multi Logistik as Branch Head.
5. Vioni Yunika Andhila graduated from the D3 Management of Marine Transportation Work Study Program at PT. Anugerah Multi Logistik as Document Staff.
6. Agustinus Hermanto graduated from Ship Machinery Study Program, worked at PT: CFC Cruise Service, Position: Motorman. The position of the ship when this activity took place was in Marseille, France. Study Program: D3 Mtl continue to S1 Transportation
7. Aulia Maemuna graduated from the D3 Marine Transportation Management Study Program at PT: Successful Transportation Partner, Position as Personnel Supervisor Dan Ga.
8. Shueb Abrori graduated from the D3 Nautical Studies Study Program as a convert III, working on KM Ships. Sahabat Prima 8 owned by PT Mandiri Sejahtera Abadi Line

The alumni mentioned above said that the theoretical and practical learning provided during college is very useful for the progress of the current mrk. Like Alumni, Ricky and Vioni said that the practical role of the customs electronic data course in the port-integrated laboratory was applicable to those in the field. It's exactly the same, so graduates are directly absorbed by the Business World and the Industrial World. Agreeing with them, other alumni who were invited as stars also conveyed the same thing so that they did not have a waiting time to work more than 6 months after graduation. The following is the socialization of one of the alumni to MGBK teachers online via Zoom meeting as well as the speaker's CV

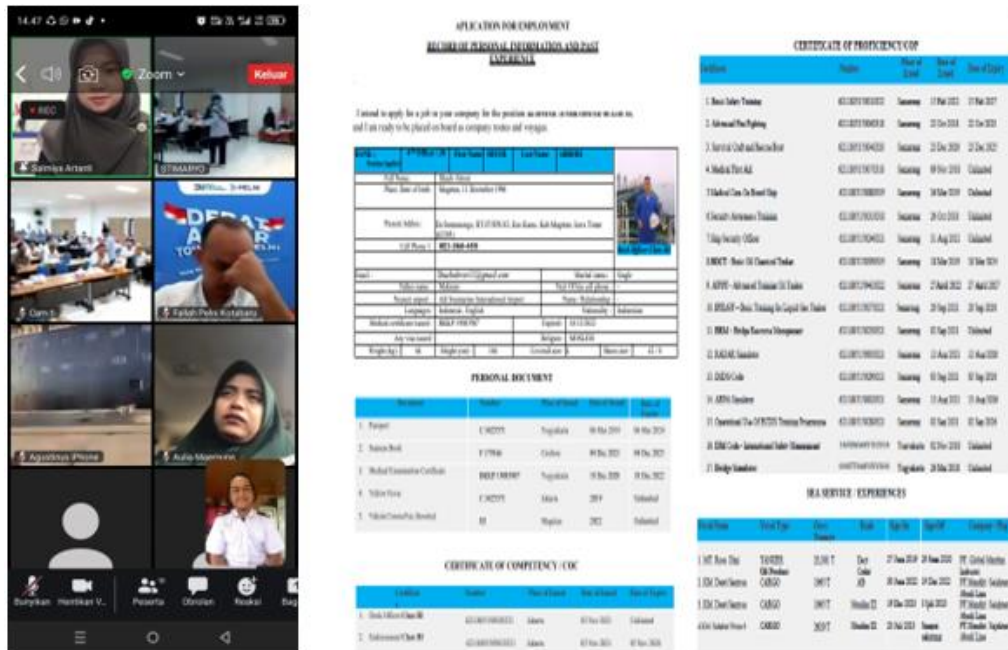


Figure 2. Socialization of One of the Alumni about the World of Maritime Industry

Alumni explained that PT Mandiri Sejahtera Abadi Line was established on February 24, 200 which is engaged in shipping and currently domiciled at Jalan Kunir 2 No.2U RT 01 / RW 07, Pinangsia, Tamansari, West Jakarta City, DKI Jakarta 11110. The company's vision is to become a strong and growing shipping company. The company's mission includes running a shipping service business with effective and efficient resources, running a business with attention to the principle of benefits for all parties involved, providing satisfactory services for consumers throughout the archipelago. Since its establishment, PT Mandiri Sejahtera Abadi Line has been able to meet consumer needs for shipping services in the form of domestic goods transportation services with a range of regional coverage or loading and unloading ports covering Java, Sumatra, Kalimantan, and Sulawesi. PT Mandiri Sejahtera Abadi has KM ships. Prima Friends 8. KM SAHABAT PRIMA 8 (IMO: 8204042) is a General Cargo and is sailing under the flag of Indonesia. Her length overall (LOA) is 86.34 meters and her width is 14.03 meters, with data on ships where alumni work as follows.

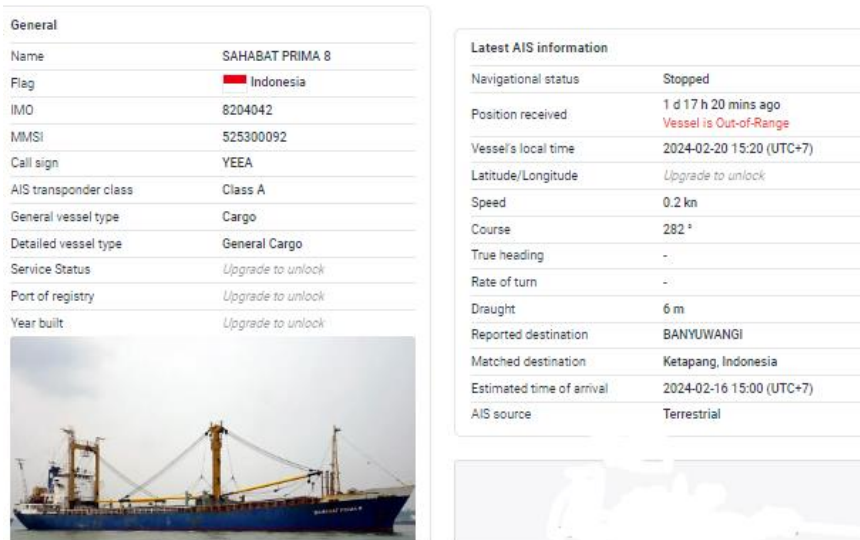


Figure 3. Ships Where Alumni Work

Overall, the graduate data absorbed for the Vocational study program at Yogyakarta Maritime College for the last 1 year is as follows.

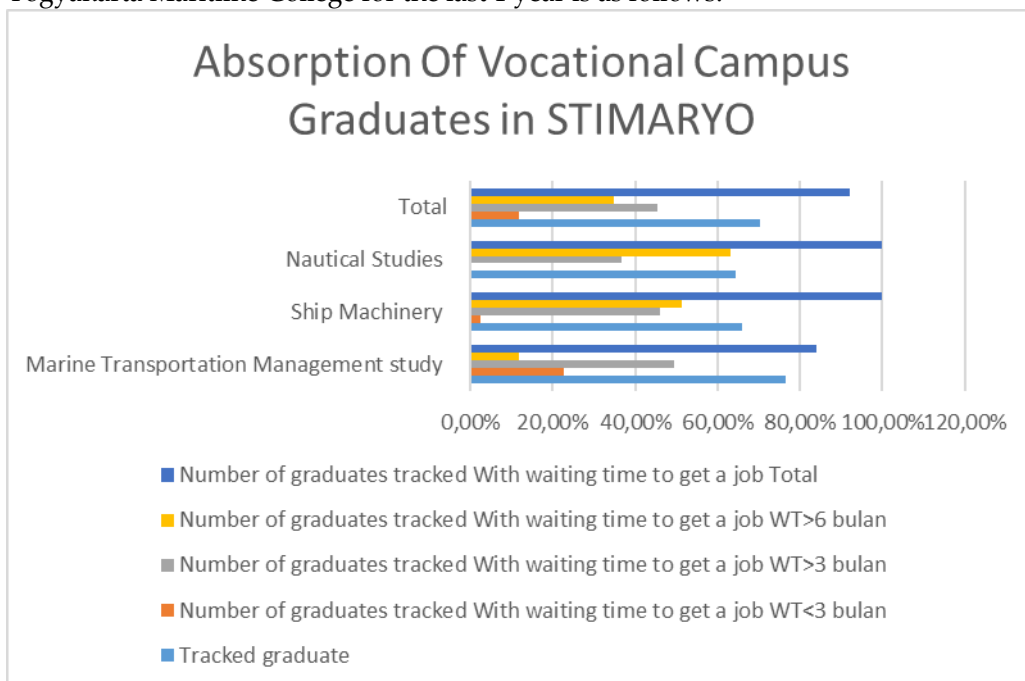


Figure 4. Absorption Of Vocational Campus Graduates in STIMARYO

Figure 4 above, it is obtained that the average percentage of absorption of vocational school graduates at Yogyakarta Maritime College through the Link and Match Program which was created to synergize between vocational education and the industrial world to increase the absorption of vocational school graduates so they can become reliable workers while saving expenses to become new human resources by industry needs is 92.11% which is divided into the absorption of D3 graduates Marine

Transportation Management amounted to 84.00%, the absorption of D3 Ship Machinery graduates by 100% and the absorption of D3 Nautical Studies graduates by 100% of the total 70.37% of tracked graduates. Number of tracked graduates With an average percentage of waiting time for graduates to get jobs with a waiting time of less than 3 months of 11.84% which is divided into the absorption of D3 Marine Transportation Management graduates of 22.67%, the absorption of D3 Ship Machinery graduates of 2.56% and the absorption of D3 Nautical Studies graduates of 0.00% of the total 70.37% of tracked graduates. The number of graduates tracked with an average percentage of waiting time for graduates to get jobs with a waiting time of more than 3 months of 45.39% which is divided into the absorption of D3 Marine Transportation Management graduates of 49.33%, the absorption of D3 Ship Machinery graduates of 46.15% and the absorption of D3 Nautical Studies graduates of 36.84% of the total 70.37% of tracked graduates. The number of graduates was tracked with an average percentage of waiting time for graduates to get jobs with a waiting time of more than 6 months for 34.87% which was divided into the absorption of D3 Marine Transportation Management graduates of 12.00%, the absorption of D3 Ship Machinery graduates of 51.28% and the absorption of D3 Nautical Studies graduates of 63.16% of the total 70.37% of tracked graduates.

CONCLUSION

The results of dedication in the form of socialization about Link and Match Maritime Vocational College Graduates in the Field of Shipping with the Business World and the Industrial World ran smoothly. The Vocational Program at STIMARYO has 3 study programs including the D3 Marine Transportation Management study program, the D3 Ship Machinery study program and the D3 Nautical Studies study program. The D3 Marine Transportation Management study program is a study program that prepares graduates as experts in the field of marine transportation management. The D3 Ship Machinery study program is a study program that prepares cadets to become ship machinery sailor officers who can operate, maintain, and repair engines on ships. For the D3 study program, Nautical Studies is a study program that prepares cadets to become deck ship officers responsible for shipping and ship safety. In addition, the average percentage of absorption of vocational school graduates at Yogyakarta Maritime College was obtained through the Link and Match Program which was created to synergize vocational education with the industrial world to increase the absorption of vocational school graduates so that they can become reliable workers while saving expenses to become new human resources by industry needs of 92.11%. The absorption of graduates for graduates of the D3 Marine Transportation Management study program is 84.00%, the absorption of graduates for the D3 Ship Machinery study program is 100% and the absorption of graduates for the D3 Nautical Studies study program is 100% of the total 70.37% of tracked graduates.

Thank-you note

Thank you to the Yogyakarta Maritime College for funding this activity, We do not forget to say to all alumni involved in this community service activity.

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