REVIEW

(based on the case study "Khorgos Gateway")" presented for the degree of Doctor of Philosophy (PhD) Moldabekova Aisulu Tursynbayevna on the theme "Improving quality of logistics services of dry ports within Eurasian transport corridors of the official reviewer for dissertation work in the specialty "6D090900 - Logistics"

| significant contribution to science, and its importance is well disclosed/not disclosed/not disclosed Self-reliance level: 1) High; 2) Medium; 3) Low; 4) No independence of 4.1 Justification of the relevance of the thesis: 1) Justified; 2) Partially justified; 3) Not justified. | | iple of 4.1 Justification of the relevance of the thesis: | 1) Justified; | | transit points for global infrastr | competitiveness of Kazakhstan p | and improve service and transit r | THE PART OF THE PA | "Digital Kazakhstan", it is planne |
|---|---|---|---|--|--|--|---|--|--|
| the problems of "dry potential concept of "dry potential" crelevance databases Scopus analysis of logist published articles locitation rates by so Improving Logist Pelecommunication Technological Resof Asian Finance, citations; 3) Advanservices: Bibliom Studies, 2020, 21(is 4. The author did the out within the finance ontribution to each author has developed quality of logistics studies based on so The dissertation to state programs, the established stapotential, which is | + | | the geopolitical crisis. The Strategy "Kazakhstan-2050: new | potential, which is expected to increase transit traffic through | transit points for global infrastructure integration. Aiming to increase the | competitiveness of Kazakhstan planned to implement infrastructure projects | and improve service and transit routes. Within the frame of the State Program | "Digital Kazakhstan", it is planned to introduce an intelligent transport system | The state of the s |

| 4.4 All sections and provisions of the thesis are logically interconnected: 1) completely interconnected; 2) the interconnection is partial; 3) there is no interconnection | | 4.3. The purpose and objectives correspond to the topic of the thesis: 1) correspond; 2) partially correspond; 3) do not correspond | 4.2 The content of the thesis reflects the topic of the thesis: 1) Reflects; 2) Partially reflects; 3) Does not reflect |
|---|---|--|--|
| All sections and provisions of the dissertation are logically and completely interconnected. The work has internal integrity and is presented in scientific language. Each subsection flows from one to the next. There is a clear relationship between the sections and stages of the study. | on the impact of technological, innovative development and digital technology on the quality of logistics services. An analysis was made of the transit potential of Kazakhstan and the use of digital technologies in transport and logistics. The doctoral student conducted a case study in the dry port of "Khorgos Gateway". Based on the results of the study in the third chapter, practical recommendations were developed for the development of dry ports and transport corridors in the context of digitalization. | The purpose and objectives correspond to the topic of the dissertation. Within the framework of theoretical and methodological tasks, the conceptual foundations and foreign experience were studied, and a bibliometric analysis of scientific literature was carried out. The work considers the theoretical, methodological, analytical and practical tasks of improving the quality of the logistics service of dry ports and transport corridors in the context of digitalization. Based on the study of methodological approaches and international service quality standards, a methodological approach and research tools have been developed. Further, based on the developed design of | traffic in the Eurasian space, one of the tasks is to develop digital transport corridors. Therefore, improving the quality of the logistics service of dry ports is relevant and has prospects for research. The dissertation consists of three sections, which reveal the purpose and objectives of the study. The work considers theoretical and methodological approaches to improving the quality of the logistics service of dry ports, analyzes the current state of the quality of the logistics services in the Eurasian space, and develops directions and recommendations for improving the quality of logistics services of dry ports and transport corridors in the context of digitalization. |

| | ż, | |
|--|--|--|
| | Scientific novelty principle | |
| 5.3 Technical, technological, economic or management decisions are new and reasonable: 1) completely new; 2) partially new (25-75% are new); 3) not new (less than 25% are new) | 5.1 Are the scientific results and provisions new? 1) completely new; 2) partially new (25-75% are new); 3) not new (less than 25% are new) 5.2 Are the dissertation findings new? 1) completely new; 2) partially new (25-75% are new); 3) not new (less than 25% are new) | 4.5 The new solutions (principles, methods) proposed by the author are reasoned and evaluated in comparison with the known solutions: 1) there is a critical analysis; 2) partial analysis; 3) the analysis does not represent one's own opinions, but quotes from other authors |
| logistics service. The solutions proposed by the author to improve the quality of the logistics level in the conditions of Kazakhstan are partially new. Especially the author's proposals made for the provision of value-added services; digital transformation using dry port digital audit, the introduction of digital technologies, development of an integrated information system/platform; development of "soft" infrastructure of transport corridors. The practical recommendations of the doctoral student are confirmed by the acts of implementation of the Union of transport and logistics organizations "Kazlogistics" and LLP "KTZE Khorgos Gateway". | In general, scientific results and provisions are partially new. In general, the impact of ICT technologies on logistics was considered by various authors. Nevertheless, the novelty of this study lies in an integrated approach, where triangulation of quantitative and qualitative analysis is conducted. An assessment of the quality of the logistics service of dry ports in the context of digitalization is carried out. In the course of the study, the author's conclusions are new. The originality of the work lies in conducting a study considering the assessment of the transport and logistics infrastructure at various levels: at the macro level, an evaluation of the factors influencing the logistics service, at the meso level - an analysis of the country's transit potential and the status of application of digital | The paper contains a critical analysis of conceptual approaches to the definition of a dry port and existing methodological approaches to assessing the quality of a logistics service. Further, based on the study of research gaps in science, the candidate developed an author's assessment tool for the evaluation quality of the logistics services of dry ports in terms of digitalization. |

| | | | | | | | | | | | | | | | | defense | /. Inc | | | | | | | | 6. The |
|---|------------------|----------------------------------|------------------------|------------------|------------------------|-------|---------|--------------------|---------------|-----------------------|--------------------|---------------|--------------------------------------|---|---|--|---|--|---|---|---|--|---|---|---|
| | | | | | | | | | | | | | | | | č | provisions for the | | | | | | (| = | validity of |
| | 1) yes; 2) no | 7.5 Is it proven in the article? | 3) wide | 2) medium; | 7.4 Application level: | 2) no | 1) yes; | 7.3 Is it new? | 2) no | 1) yes; | 7.2 Is it trivial? | 4) not proven | rather not proven; | 2) rather proven; | 1) proven; | 7.1 Is the provision proven? | questions for each provision separately: | It is necessary to opening the following | | | humanities) | and areas of training in the arts and | well-grounded (for qualitative research | on scientifically significant evidence or | All main conclusions are/are not based |
| 7.5 Is it proven in the article? 1) yes; | | 1) narrow; | 7.4 Application level: | 1) yes; 2) no | 7.3 Is it new? | 2) no | 1) yes; | 7.2 Is it trivial? | 4) not proven | 3) rather not proven; | 2) rather proven; | 1) proven; | 7.1 Is the provision proven? | the quality of service and digital transparency of the processes. | and warehouse services, as well as other value-added services, while ensuring | centre, hub) in a land transport corridor and provides a wide range of transport | 1) A dry port in continental transport corridors is a logistics node (terminal, | Niloigos daleway . | Kazakhstan. Empirical evidence was obtained from a case study at the dry port | of the Agency for Strategic Planning and Reforms of the Republic of | (UN), the World Bank, and the Eurasian Economic Union (EAEU). The | from the scientific databases Scopus and Web of Science were used. Statistical | for scientific research. In the bibliometric analysis of scientific data, materials | | Scientific results, conclusions and recommendations of the dissertation are |

2) no 2) no 2) no 1) yes; 4) not proven rather not proven; 3) wide 2) medium; 7.4 Application level: 7.3 Is it new? 7.2 Is it trivial? rather proven; 7.1 Is the provision proven? https://doi.org/10.1007/978-3-030-44610-9_21 Moldabekova, A., Zhidebekkyzy, A., Akhmetkaliyeva, S., Baimukhanbetova, 7.5 Is it proven in the article? yes; // Lecture Notes in Networks and Systems. - 2020. - Vol. 117. - 213-222 p. Within Land-Based Transport Corridors: A Case Study «Khorgos Gateways» Moldabekova A., Beifert A., Sabden O. Logistics Service Quality of Dry Ports Bibliometric network analysis // Polish Journal of Management Studies. -E. Advanced technologies in improving the management of logistics services: 1) yes; narrow; proven; services are substantiated. connection between products and services, and facilitating instant The role of digital technologies in improving the quality of logistics communication between various stakeholders in the provision of logistics the supply chain, optimizing logistics processes, establishing a flexible services with the provision of operational data, ensuring transparency of

| 3) wide | |
|---|--|
| 1) narrow; 2) medium; | |
| 7.4 Application level: | |
| 1) yes; | |
| 7.3 Is it new? | |
| 1) yes; 2) no | |
| 7.2 Is it trivial? | |
| 4) not proven; | |
| 2) rather proven; | |
| 1) proven; | |
| 7.1 Is the provision proven? | |
| | |
| management and staff quality, appropriating price for the service quality, and providing value-added | |
| availability of physical infrastructure, operations and processes quality, | |
| ports has been developed, which consists of the following parameters: | |
| assessment tool for evaluating the quality of the logistics service of dry | |
| potential and application of digital technologies, at the micro level - an | |
| the logistics service, at the meso level - an analysis of the country's transit | |
| complexity: at the macro level, an assessment of the factors influencing | |
| 2) A systematic approach to assessing the quality of the logistics service of | |
| 2019 Nº 2 C. 10/-100. | |
| жүйелі әдебиет талдауы // Экономика: стратегия и практика». Алматы | |
| nups://doi.org/10.1/512/pjms.2020.21.1.10 Молдабекова А.Т. Индустрия 4.0 жағдайында жеткізу тізбегін басқару: | |
| 2020 VOI. 21. 352 1. | |

| 4) not proven 7.2 Is it trivial? 1) yes; 2) no 7.3 Is it new? 1) yes; 2) no 7.4 Application level: 1) narrow; 2) medium; 3) wide 7.5 Is it proven in the article? | 3) Based on the correlation-regression analysis of secondary data, it was revealed that the innovational development, the level of technological readiness of the country and digital technologies have a positive effect on improving the quality of logistics services: trade and transport infrastructure, competence and quality of logistics services, the efficiency of customs clearance processes and cargo tracking. 7.1 Is the provision proven? 2) rather proven; 3) rather not proven: | 7.5 Is it proven in the article? 1) yes; 2) no Сабден О., Имашева Г., Молдабекова А. Методы и практика оценки национальной логистической системы Республики Казахстан // Экономика: стратегия и практика. – 2018 №1С.86-92. Моldabekova А., Beifert A., Sabden O. Logistics Service Quality of Dry Ports Within Land-Based Transport Corridors: A Case Study «Khorgos Gateways» // Lecture Notes in Networks and Systems. – 2020. – Vol. 117. – 213–222 p. https://doi.org/10.1007/978-3-030-44610-9_21 |
|---|---|---|

| 1) yes; 2) no 7.3 Is it new? 1) yes; 2) no 7.4 Application level: 1) narrow; 2) medium; | countries. 7.1 Is the provision proven? 1) proven; 2) rather proven; 3) rather not proven; 4) not proven 7.2 Is it trivial? | 4) The analysis of the transit potential and the case study of the dry port "Khorgos Gateway" showed that a high level of logistics services would be achieved due to the digital modernization of the transport and logistics infrastructure. In developing logistics and economic corridors in the Eurasian space, the development of dry ports of international significance and technological, digital modernization of cross-border infrastructure (stations, customs, ports, terminals) would increase the transit potential of | 1) yes; 2) no Moldabekova, A., Philipp, R., Satybaldin, A. A., Prause, G. Technological Readiness and Innovation as Drivers for Logistics 4.0 // Journal of Asian Finance Economics and Business—2021. — Vol. 8. — № 1. — P. 145–156. https://doi.org/10.13106/jafeb.2021.vol8.no1.145 Moldabekova A., Philipp R., Reimers H. E., Alikozhayev B. Digital Technologies for Improving Logistics Performance of Countries //Transport and Telecommunication Journal — Vol.22 — No.2. — 2021. — P. 207-216. https://DOI:10.2478/ttj-2021-0016 |
|---|--|---|---|

| 5) Developed recommendations on improving the quality of logistics services of dry ports and Eurasian transport corridors based on (1) ensuring the quality of logistics services with the introduction of the ISO international service quality standard and the provision of value-added services; (2) | 1) уев; 2) по Молдабекова А.Т. Перспективы развития региональных логистических центров в Республике Казахстан / Материалы МНПК. Экономическая центров в Республике Казахстан / Материалы МНПК. Экономическая наука Казахстана: поиски и решения Под ред. Сатыбалдина А.А. – Алматы: Институт экономики КН МОН РК, 2018. – Т.2. – С. 215-223. 2018. Молдабекова А.Т. Приоритеты развития экспорта транспортно-логистических услуг в Республике Казахстан в условиях технологической модернизации / Материалы МНПК. Наука, экономика и социальная модернизация общества: реальность и перспективы. Под ред. С. 679-690. Молдабекова А.Т. Развитие транзитного потенциала Казахстана Колл. монография: «Стратетия экономической безопасности и социальной стабильности Казахстана: коллективная монография/ Под ред. Академика НАН РК А.А. Сатыбалдина. – Алматы. Институт экономики КН МОН РК, 2019. – С. 162-168. Молдабекова А.Т., Филипп Р., Ахметова З.Б., Асанова Т.А. Роль цифровых технологий в развитии логистики в Казахстане в формировании Индустрии 4.0. Economics: the strategy and practice. – 2021. – №16(2). – С. 164-177. https://doi.org/10.51176/1997-9967-2021-2-164-177 Moldabekova A., Beifert A., Sabden O. Logistics Service Quality of Dry Ports Within Land-Based Transport Corridors: A Case Study «Khorgos Gateways» // Lecture Notes in Networks and Systems. – 2020. – Vol. 117. – 213–222 р. https://doi.org/10.1007/978-3-030-44610-9_21 |
|--|---|

rather not proven; 2) no 4) not proven rather proven; 3) wide medium; narrow; 7.4 Application level: 2) no 1) yes; 7.3 Is it new? 1) yes; 7.2 Is it trivial? 7.1 Is the provision proven? 7.5 Is it proven in the article? 1) proven; Молдабекова А.Т. Приоритеты развития экспорта 44610-9_35 Cham, 2020. - Volume 117. - P. 351-362. https://doi.org/10.1007/978-3-030and Communication. Lecture Notes in Networks and Systems. - Springer, Innovative Auditing Procedures // Reliability and Statistics in Transportation the Digital Track: Tracing Digitalisation Across the South Baltic Region by логистических услуг в Philipp R., Gerlitz L., Moldabekova A. Small and Medium-Sized Scaports on 1) yes, partially development as a logistics hub. transport networks based on the development of a "soft" infrastructure of information system/platform; (3) integration into regional, international introduction of digital technologies, the development of an integrated digital transformation based on the digital audit of the dry port, the transport corridors, involvement in the regional and global chain, Республике Казахстан транспортноусловиях

| work meet the requirements for a PhD thesis. There are typos and technical errors in formatting, which generally do not detract from the quality of the | | | |
|--|---|----------------------------|-----|
| The dissertation work is written in a relatively good academic style, and the text is presented in an understandable language. The content and design of the | Academic writing quality: 1) high; | The quality of writing and | 10. |
| | 3) not new (less than 25% are new) | | |
| | 2) partially new (25-75% are new); | | |
| improving the quality of service and digitalization are partially new. However, | 9.3 Are the practice suggestions new? 1) completely new? | | |
| - | 2) no | | |
| Appendix A), in the development of the dry port "Khorgos Gateway" (in the | 1) yes; | | |
| logistics infrastructure of the Republic of Kazakhstan (in the dissertation | obtained in practice: | | |
| | of applying the r | | |
| recommendations | importance and there is a h | | |
| | 9.2 The thesis is of practical | | |
| infrastructure of international transport corridors (LIMTK4309)". | | | |
| programs in the specialities "Logistics" and "Management" and applied in the | | | |
| research can be used in the preparation of educational and methodological | | | |
| and transport corridors). Also, theoretical developments of the dissertation | | | |
| services, and the digitalization of transport and logistics infrastructure (ports | 2) no | | |
| conceptual foundations for the study of dry ports, the quality of logistics | 1) yes; | principle | |
| The results of the dissertation contribute to the development of theoretical and | 9.1 The thesis has theoretical value: | Practical value | 9 |
| Web of Science | | | |
| In this paper, the candidate conducted a network analysis of published works | | | |
| P. 211-223. https://doi.org/10.17512/pjms.2020.21.1.16) | | | |
| analysis // Polish Journal of Management Studies 2020 Vol. 21 № 1 | | | |
| improving the management of logistics services: Bibliometric network | review | | |
| | sufficient/not sufficient for a literature | | |
| are As part of the inciding study, a oromometric analysis was carried on and | O'S Caca Therathre admices | | |

recommended for public defense, the applicant deserves the award of a PhD degree in the specialty "6D090900 - Logistics". The content of the dissertation fully complies with the requirements for PhD work. The thesis of Moldabekova Aisulu Tursynbaevna "Improving quality of logistics services of dry ports within Eurasian transport corridors (based on the case study "Khorgos Gateway")" is

Official Reviewer:
Candidate of Technical Sciences,
Associate Professor, Dean of the Faculty
of Engineering and Information Technology,
Kazakh-German University
(place of work, academic title)



Zhandos Kegenbekov Kadyrkhanovich