The obstacles of the implementation Just-in-time system and its impact on the organization's performance The moderator role of the digital supply Chain: An applied

study on Abdullah II Ibn Al Hussein Industrial City

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This study aims to identify the obstacles of the implementation of the Just-in-Time production system and its impact on the organization's performance: the moderator role of the digital supply chain. The study was applied on Abdullah II Ibn Al Hussein Industrial City. To achieve the study aim, the analytical descriptive approach was used. The study used convenience sample that consisted of (246), and (35) of the questionnaires were not valid and excluded, (211) were analyzed with 90% of the questionnaires retrieved of the managers answers who working in Abdullah II Ibn Al-Hussein Industrial City. The study tool was consisted of four parts, one to measure the independent variable which is the obstacles of the implementation of the just in time production system, and the second to measure the dependent variable which is the performance of the organization, and the third to measure the digital supply chain as a moderator variable, and the demographic data. The study tool was distributed through modern applications and using Google Drive for data collection, the data were analyzed by using the SPSS program, where there are some findings as the following:

- 1. There is a statistically significant effect of the obstacles to the implementation of the justin time production system and its dimensions (lack of multi-skilled labor, high percentage
 of spoilage, poor process development, high inventory size, implementation of
 unimportant activities, lack of synchronization between production and the market) on
 the performance of the organization Its dimensions (sustainability, effectiveness,
 efficiency, customer satisfaction) in Abdullah II Ibn Al Hussein Industrial City.
- It was also found that there a moderating role of the digital supply chain in improving the
 relationship between the obstacles of the implementation of the just in time production
 system and the performance of the organization in the Abdullah II Ibn Al Hussein
 Industrial City.

The study has some recommendations, most notably was the importance of including strategic directions in the factories operating in Abdullah II Ibn Al Hussein Industrial City, directions that include raising the level of skills of workers, reducing the level of wastage, continuous improvement of production processes, especially critical activities, taking into account the focus on manufacturing and offering products in the right time to the market in order to improve the level of implementation of the just-in- time production system to reach a high level of competition, in addition to the necessity of introducing digital technology in all stages of the supply chain because of its impact on improving the relationship between the implementation of the just-in- time production system and improving the level of the organization's performance.

Key words: Obstacles of implementing the just in time production system, the organization's performance, the digital supply chain, Abdullah II Ibn Al-Hussein Industrial City.