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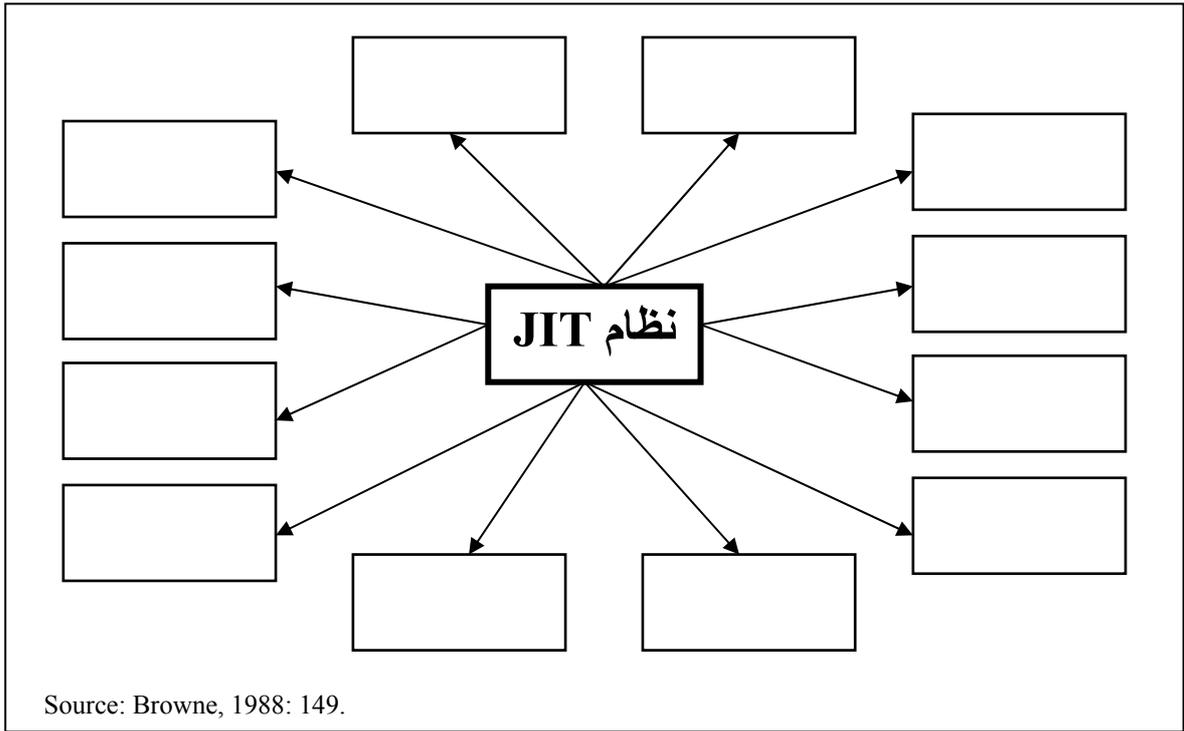
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(Clinton and Ko-Cheng,

1997) (www.maaw.info/JITsum, 2005) (Fullerton, 2002)

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Michael Robert and Bernard Racine, 2001. E-Strategy Pure and Samples, McGraw-Hill.



Source: Browne, 1988: 149.

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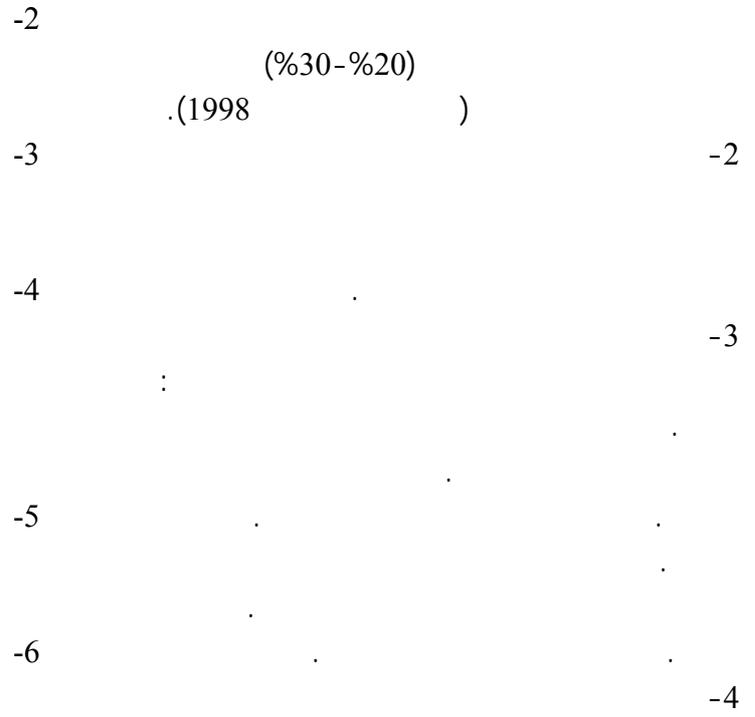
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50	33.3	-4
28.6	16.7	-5
71.4	50	-6
35.7	33.3	-7
57.4	-	-8
14.3	66.7	-9
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1,3183	3,1750	JIT	.1
1,1447	3,6500	JIT	.2
1,3471	3,0750	JIT	.3
1,6075	3,0750	JIT	.4
1,4569	3,3250	JIT	.5
0,7299	4,3250	JIT	.6
1,3550	2,1000	JIT	.7
1,4242	1,8500	JIT	.8
1,3117	2,1500	JIT	.9

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		T/δ	T	T
2.9694		0.78	2.02-	0.282 -

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(4.3250) (3,6500)

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(1.4569) (1.6075) (1.3471)

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0.92681	3.7500	JIT	.1
1.09749	3.9750	JIT	.2
1.46410	3.4000	JIT	.3
1.09895	4.1500	JIT	.4
1.59406	3.3500	JIT	.5
0.93336	4.2750	JIT	.6
0.98189	4.1000	JIT	.7
1.25167	3.1500	JIT	.8
0.82275	4.3000	JIT	.9
0.94428	4.0750	JIT ()	.10
1.04237	3.8750	JIT	.11

(1.3117) JIT

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One Sample T Test

T (8 7)
 (2.02-) T (0.282-) (1.8500) (2.1000)
 : (1.4242) (1.3550)

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	T/δ	T	T
	0.000	2.02	12.533

One Sample T test

= T (4) (H0) : 12.533 (H0) (JIT) *

(JIT) (3)

(JIT) * JIT (5 4 3 2 1)

(4.150) (3.350)
(1.5940) (0.92681)

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(3.9750) (3.750)
(1.09749) (0.92681)
(16 15 14 13 12)

(6)

(JIT) (4.2750) (0.93336)

(0.84732)

(4.1500) (3.550)
(1.80120)

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(4.100) (0.98189)

(5 4)

(2.4250) (4.1500)
(1.31826) (1.09895)

(4.300) (3.150)
(1.25167) (0.82275)

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(1.04237) (3.8750)

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(5)

0.92681	3.7500	JIT	.1
1.09749	3.9750	JIT	.2
1.49336	2.9750	JIT	.3
1.09895	4.1500		.4
1.31826	2.4250		.5
0.93336	4.2750		.6
		.JIT	
0.98189	4.1000		.7
1.25167	3.1500		.8
0.82275	4.3000		.9
0.94428	4.0750		.10
		.JIT	
1.04237	3.8750		.11
		.JIT	
1.03651	3.5500	JIT	.12
1.08012	3.7500	JIT	.13
0.84732	4.0000	JIT	.14
0.9782	3.3470	JIT	.15
0.89299	4.1500	JIT	.16
0.52563	4.3250	JIT	.17

(6)

		T/δ	T	T
2.72		0.00	2.02	9.7

(7)

JIT

1.16685	3.6500		JIT	.1
1.05125	3.8500		JIT	.2
0.97534	3.8500		JIT	.3
0.69982	4.1500		JIT	.4
0.63599	4.1750		JIT	.5
0.97534	3.3500		JIT	.6
1.04237	3.8750		JIT	.7
1.05733	3.9000		JIT	.8
0.90014	4.1000		JIT	.9
0.60764	4.3000		JIT	.10
1.07537	3.8500		JIT	.11
1.13199	3.2750		JIT	.12
1.12973	3.8250		JIT	.13
0.98580	4.0500		JIT	.14
0.80224	4.3500		JIT	.15
1.37281	3.2500		JIT	.16
0.82275	4.2000		JIT	.17
1.00989	4.1750		JIT	.18
0.78446	4.5000		JIT	.19
1.43133	3.5500		JIT	.20
0.75064	4.4750		JIT	.21

(8)

		T/δ	T	T
3.9489		0.000	2.227	14.164

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(4.300) (3.150) (4.100)
(0.82275) (1.25167) (0.98189)

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One Sample T Test

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T (8)

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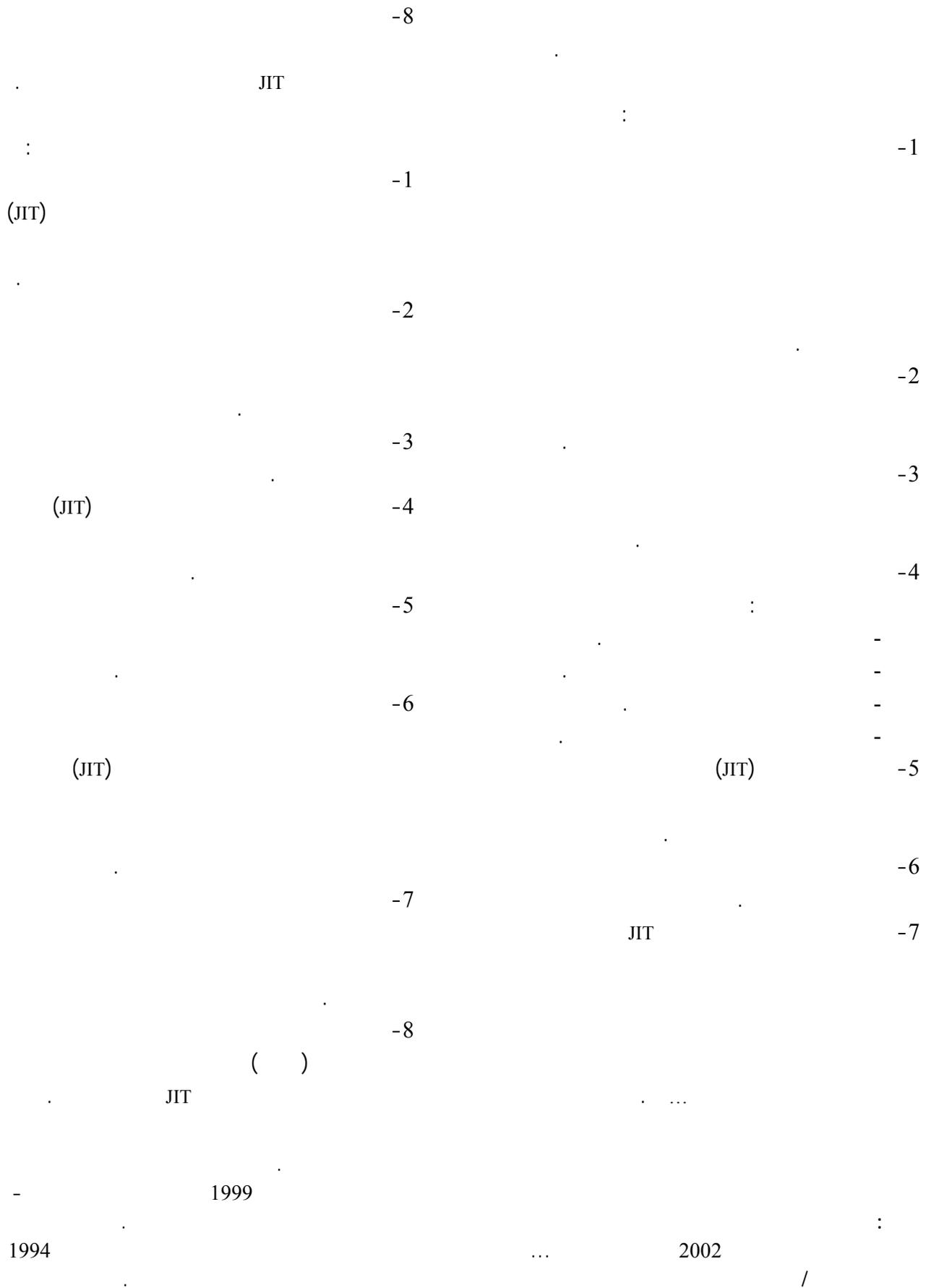
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The Effect of Applying Just-In-Time Production System on the Production Performance in the Jordanian Manufacturing Companies

*Ghassan F. Al-matarneh and Sulieman H. Al-Beshtawi**

ABSTRACT

This study is mainly concerned with identifying the effect of the implementation of the Just-In-Time manufacturing cost on the production performance of the Jordanian manufacturing companies, and above all, on reducing the production cost. Furthermore, it aims at finding out the obstacles hindering the application of this system in the Jordanian manufacturing companies.

This study is divided into two parts: studying the concept, objectives and the requirements of the Just-In-Time system, the advantages achieved by this system, its effect on the production performance and clarifying shortcomings related to the application of this system. These are what the first part focuses on. The second part is concerned with studying the sample of this study, which consists of 40 companies. SPSS is used to analyze the results of this study which emphasize that the application of this Just-In-Time system requires the significance of reorganizing the operations of productivity in the Jordanian manufacturing companies. This process enhances the efficiency and improvement of the production performance. More importantly, the results show that the application of Just-In-Time system (de facto) reduces the direct costs and equally improves the quality of the product which undoubtedly enhances its competitive capacities. By way of concluding, this study recommends training the employees in the Jordanian manufacturing companies to increase their skills in order to enable them to have control over the production.

Keywords: JIT system, Zero Inventory, Reduction of Cost Production.

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