

*

(6) (84) (43) ()

(1996)

(Pear, 1992)

(1991)

.2004/7/21

2004/3/21

*

.1

.2

.3

(2004)

:

(6)

(70)

(96)

1957

1982

1986

(2002)

()

()

()

(181)

(74)

%36)

(%96

(%84 %46)

(1994)

(1999)

(300)

(106)

(108)

(6)

(1997)

(139)

.1

(55)

(67)

.2

:

(7)

.3

(1996)

.1

()

.2

:

(6)

: (5)
 (5) .1
 (4) .2
 (3) .3
 (2) .4
 .(1) .5

(10)

%80

(10-1)

(169)

.2004

(84)

(15)

(Test – Retest)

(%49.7)

(10)

.(1)

(Pearson

Correlation Coefficient)

.(2)

2002

2004

)

Miller

.(%88.4-%84.5)

)

(1997

1999

%60

(1998)

.(2000

2000

1996

(10)

.1

(43)

) " "

.2

:

(6)

.(

(10)

.1

)

.3

(4)

.2

.(

(8)

.3

(6)

.4

(7)

.5

" :

.(8)

.6

1.32

3.55
%71.00

(9 8 7 6 5 4 3)
(3)

1.14

4.17
%83.4

(1996 1999)

2.56
%51.2

1.37

(1999)

(1985)

1994 1999)

(1981

3.18
%63.6

1.34

0.91

3.19
%63.80

(1997)

(5)

%65.50

3.63
%72.40

0.70

(4)

| | | | 1.19 | 3.93 | | |
|--------|--------|---------|--------|---------|--------|------|
| | | | | .%78.6 | | |
| 1.22 | 3.13 | | | | | |
| | | .% 62.6 | | | | |
| | (1997) | |) | | 1982 | 1975 |
| | | | (1986) | | | |
| | | | | | | |
| | | .%58.0 | | | | |
| 3.28 | | | | 2.10 | | |
| %65.60 | 0.76 | | | %42.00 | | 1.38 |
| | (7) | | | %42.00 | | |
| | | | | | (1999) | |
| " : | | | 2.95 | | | |
| " | | | %59.00 | | 0.74 | |
| | | | | | | |
| 1.16 | 4.12 | | | | (6) | |
| | | .%82.4 | | | | |
| | %82.4 | | | | | |
| | | | | 3.55 | | |
| | | | | .%71.00 | | 1.20 |
| | | | | | | |
| | | (1975) | | | | |
| " | | | | | | |
| | | |) | | | |
| 1.27 | 3.65 | | (1982) | | 1997 | 1994 |
| | | %73.0 | | | | |

| | | | | | |
|-------|--------|---------|--------|--------|--------|
| | 1.70 | 3.45 | | | |
| | | %69.00 | | | |
| | (9) | | | (1988) | (1999) |
| 72.40 | | 3.62 | 3.40 | | |
| | | %59.0 | %68.00 | 0.56 | |
| .2.95 | | | | (8) | |
| | | | 1.22 | 3.95 | |
| | | | | %79.0 | |
| | | (1999) | | | |
| () | (10) | | | | |
| () | | () | 1985 | 1999 | () |
| 2.25 | | | | | (1984) |
| | | (0.027) | | | |
| () | () | (1.99) | | | |
| | | | | | |
| | | | | " | |
| | | | | " | |
| | | | %47.2 | 1.41 | 2.36 |
| | (1996) | | | | |
| | | | (1999 |) | |
| | (11) | | | | |

.4 ()

()

:

.1

.2

:

.1

.3 -%72.4

.%59.0

.4

.2

.5

.3

(1)

| 7 | - | 7 | |
|----|----|----|--|
| 5 | - | 5 | |
| 4 | - | 4 | |
| 3 | - | 3 | |
| 12 | 4 | 8 | |
| 2 | - | 2 | |
| 9 | 3 | 6 | |
| 18 | 8 | 10 | |
| 4 | - | 4 | |
| 20 | 9 | 11 | |
| 84 | 24 | 60 | |

(2)

| | | |
|-------|--|---|
| | | |
| %87.1 | | 1 |
| %88.4 | | 2 |
| %84.5 | | 3 |
| %87.1 | | 4 |
| %86.4 | | 5 |
| %87.4 | | 6 |

(3)

| | | | | | |
|----|--------------|-------------|-------------|--|----|
| | | | | | |
| 8 | 67.4 | 1.17 | 3.37 | | 1 |
| 5 | 72.6 | 1.19 | 3.63 | | 2 |
| 1 | 83.4 | 1.14 | 4.17 | | 3 |
| 4 | 74.0 | 1.12 | 3.70 | | 4 |
| 5 | 72.6 | 1.18 | 3.63 | | 5 |
| 7 | 67.6 | 1.37 | 3.38 | | 6 |
| 2 | 78.6 | 1.16 | 3.93 | | 7 |
| 10 | 63.6 | 1.34 | 3.18 | | 8 |
| 8 | 67.4 | 1.17 | 3.37 | | 9 |
| 2 | 78.6 | 1.19 | 3.93 | | 10 |
| | 72.40 | 0.70 | 3.63 | | |

(4)

| | | | | | |
|---|--------------|-------------|-------------|--|---|
| | | | | | |
| 1 | 71.00 | 1.32 | 3.55 | | 1 |
| 3 | 66.00 | 1.25 | 3.30 | | 2 |
| 4 | 51.2 | 1.37 | 2.56 | | 3 |
| 2 | 67.4 | 1.34 | 3.37 | | 4 |
| | 63.80 | 0.91 | 3.19 | | |

(5)

| | | | | | |
|---|--------------|-------------|-------------|--|---|
| | | | | | |
| 3 | 68.0 | 1.24 | 3.40 | | 1 |
| 7 | 48.0 | 1.22 | 2.40 | | 2 |
| 6 | 48.6 | 1.32 | 2.43 | | 3 |
| 8 | 42.0 | 1.38 | 2.10 | | 4 |
| 4 | 58.6 | 1.41 | 2.93 | | 5 |
| 5 | 57.6 | 1.41 | 2.88 | | 6 |
| 2 | 71.2 | 1.31 | 3.56 | | 7 |
| 1 | 78.6 | 1.19 | 3.93 | | 8 |
| | 59.00 | 0.74 | 2.95 | | |

(6)

| | | | | | |
|---|--------------|-------------|-------------|--|---|
| | | | | | |
| 1 | 71.0 | 1.20 | 3.55 | | 1 |
| 2 | 68.6 | 1.23 | 3.43 | | 2 |
| 5 | 62.6 | 1.22 | 3.13 | | 3 |
| 3 | 65.8 | 1.15 | 3.29 | | 4 |
| 5 | 62.6 | 1.22 | 3.13 | | 5 |
| 4 | 63.8 | 1.17 | 3.19 | | 6 |
| | 65.60 | 0.76 | 3.28 | | |

(7)

| | | | | | |
|---|--------------|-------------|-------------|--|---|
| | | | | | |
| 4 | 78.0 | 1.14 | 3.90 | | 1 |
| 3 | 78.4 | 1.19 | 3.92 | | 2 |
| 7 | 73.0 | 1.27 | 3.65 | | 3 |
| 5 | 77.4 | 1.12 | 3.87 | | 4 |
| 6 | 76.2 | 1.31 | 3.81 | | 5 |
| 2 | 80.8 | 1.21 | 4.04 | | 6 |
| 1 | 82.4 | 1.16 | 4.12 | | 7 |
| | 68.00 | 0.56 | 3.40 | | |

(8)

| | | | | | |
|---|--------------|-------------|-------------|--|---|
| | | | | | |
| 1 | 79.0 | 1.22 | 3.95 | | 1 |
| 7 | 61.0 | 1.41 | 3.05 | | 2 |
| 5 | 72.6 | 1.30 | 3.63 | | 3 |
| 2 | 78.0 | 1.16 | 3.90 | | 4 |
| 6 | 65.2 | 1.28 | 3.26 | | 5 |
| 3 | 76.0 | 1.26 | 3.80 | | 6 |
| 8 | 47.2 | 1.41 | 2.36 | | 7 |
| 4 | 74.6 | 1.27 | 3.73 | | 8 |
| | 69.00 | 1.70 | 3.45 | | |

(9)

| | | | |
|-------|------|------|--|
| | | | |
| 72.40 | 0.70 | 3.62 | |
| 69.00 | 0.70 | 3.45 | |
| 68.00 | 0.56 | 3.40 | |
| 65.60 | 0.76 | 3.28 | |
| 63.80 | 0.91 | 3.19 | |
| 59.00 | 0.74 | 2.95 | |
| 66.40 | 0.54 | 3.32 | |

(10)

()

| | | | | | | | |
|-------|------|-------|------|------|----|--|--|
| | () | | | | | | |
| 0.647 | 0.45 | 0.08- | 0.76 | 3.60 | 60 | | |
| | | | 0.51 | 3.68 | 24 | | |
| 0.027 | 2.25 | 0.49- | 0.90 | 3.05 | 60 | | |
| | | | 0.86 | 3.54 | 24 | | |
| 0.942 | 0.07 | 0.09- | 0.67 | 3.45 | 60 | | |
| | | | 0.80 | 3.46 | 24 | | |
| 0.159 | 1.42 | 0.26- | 0.75 | 3.21 | 60 | | |
| | | | 0.78 | 3.47 | 24 | | |
| 0.876 | 0.15 | 0.20- | 0.71 | 2.94 | 60 | | |
| | | | 0.81 | 2.97 | 24 | | |
| 0.180 | 1.35 | 0.28- | 0.56 | 3.35 | 60 | | |
| | | | 0.53 | 3.53 | 24 | | |
| 0.188 | 1.32 | 0.17- | 0.55 | 3.27 | 60 | | |
| | | | 0.53 | 3.44 | 24 | | |

.1.99 = (0.05 > α)

()

(11)
(ONE WAY ANOVA)

| | | | | | | |
|-------|-------|------|----|-------|--|--|
| | | | | | | |
| 0.091 | 1.76 | 0.80 | 9 | 7.23 | | |
| | | 0.45 | 74 | 33.79 | | |
| | | | 83 | 41.02 | | |
| 0.802 | 0.589 | 0.51 | 9 | 4.65 | | |
| | | 0.87 | 74 | 65.01 | | |
| | | | 83 | 69.66 | | |
| 0.787 | 0.607 | 0.31 | 9 | 2.85 | | |
| | | 0.52 | 74 | 38.68 | | |
| | | | 83 | 41.53 | | |
| 0.863 | 0.510 | 0.31 | 9 | 2.83 | | |
| | | 0.61 | 74 | 45.69 | | |
| | | | 83 | 48.52 | | |
| 0.420 | 1.036 | 0.56 | 9 | 5.08 | | |
| | | 0.54 | 74 | 40.37 | | |
| | | | 83 | 45.45 | | |
| 0.622 | 0.795 | 0.25 | 9 | 2.31 | | |
| | | 0.32 | 74 | 23.93 | | |
| | | | 83 | 26.24 | | |
| 0.538 | 0.981 | 0.27 | 9 | 2.44 | | |
| | | 0.30 | 74 | 22.58 | | |
| | | | 83 | 25.02 | | |

.200 = 0.05 > α

1999

2004

1 19

1997

1992

2

1988

1999

1996

1994

| | | | |
|---|------|------|------|
| | 2000 | 1984 | |
| | | | 1994 |
| | 1990 | | |
| | | | 1982 |
| | 2002 | | |
| | | | 1982 |
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Study of Obstacles Facing Table Tennis Players in Jordanian Clubs

*Mahmoud Al-Haliq and Aman Khasawneh **

ABSTRACT

The purpose of this study was to identify the obstacles facing table tennis players in Jordanian clubs, and to determine the differences between obstacles according to gender and club.

The descriptive method was utilized by designing a questionnaire consisting of (43) items, which were distributed on six fields (technical, facilities, psychological, administrative, social and financial). The sample was (84) players representing first class table tennis clubs.

The findings revealed that main obstacles facing the players of table tennis in the Jordanian clubs were that of the technical aspect, and the least hindrances were that of the social aspect. The major recommendations were to provide technical training and support, and spread out the basics of the game among Jordanians.

KEYWORDS: Facing, table tennis, obstacles, clubs, technical, training, major.

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