

The analysis of the games carried out by the woman handball representative team of the Pitesti University under participation in the European university games 2018 Coimbra - Portugal on the efficiency throwing

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Abstract:

This paper has a striking feature in the effectiveness of the goal-throwing procedures at the female handball team's level following participation in the European University Games. European University Games are organized by the European University Sports Association (EUSA), which is the organizational forum of national sports federations in Europe. The present research aims at conducting a statistical analysis on the effectiveness of handball players' throwing procedures, following the participation of the University of Pitești team at the European University Games in Portugal 2018. The research was carried out on the components of the female handball team of the University of Pitesti, which took part in the European University Games in Portugal held between July 12 and 20, 2018. The number of games played was 5. The data was recorded as a result of a review of the statistics made after the matches on the competition site as well as the recordings made during the games. As a result of the analysis of the efficacy of the gate throwing of the University of Pitești components that participated in the European Handball Women's Games, Coimbra 2018 the Pitesti University team had 314 goals to score 156 goals, 65 throws out of 22 goals.

Key words: representative team, european university games, goal throws, handball, players.

Introduction

European University Games are organized by the European University Sports Association (EUSA), which is the organizational forum of national sports federations in Europe. European University Games is a large-scale student sports event that engages athletes from European universities, being organized every two years and hosted in various European university cities. In 2018, the fourth edition of the event took place in Coimbra, under the slogan "Battle of the Heart of a Winner", and was the largest multisport event ever held in Portugal. More than 4,000 participants from Europe's top sports universities have come to compete in 13 sports.

After winning the title of National University Women's Handball Champion, the University of Pitesti was represented by Romania at this edition of the European Games. The women's handball competition has lined up at its start 12 teams, divided by draw in 4 groups of three teams. Our university was part of group C next to Akdeniz University in Turkey and Rijeka University in Croatia.

The hypothesis of the work

In the present paper we started from the following working hypothesis: if we perform a statistical analysis of the throws of the handball players then we will be able to determine the effectiveness of the procedures used.

Purpose of the research

The present research aims at conducting a statistical analysis on the effectiveness of handball players' throwing procedures, following the participation of the University of Pitești team at the European University Games in Portugal 2018.

Research Methods

In order to achieve the proposed goal we used the following research methods: bibliographic study, pedagogical observation, recording method, experimental method, statistical-mathematical method, graphical method for analysis and interpretation of data.

Operational approach to research

The research was carried out on the components of the female handball team of the University of Pitesti, which took part in the European University Games in Portugal held between July 12 and 20, 2018. The number of games played was 5.


The data was recorded as a result of a review of the statistics made after the matches on the competition site as well as the recordings made during the games.

Results

Game no. 1

Stage / Group C

Uniao de Coimbra

 Akdeniz University (Turkey)	15.07.2018.11:00 FINISHED <u>25 : 31</u>	 University (Romania) of Pitesti
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Game no. 1

Players	G/S	%	6 m	7 m	9 m	wing	counterattack
M.I.	6/10	60				4/7	2/3
P.A.M.	2/6	33.3	2/5				0/1
H.P.	3/7	42.85	0/1			2/4	1/2
R.L.	2/6	33.3	1/3		1/3		
P.F.	4/9	44.4			4/9		
S.B.	3/5	60				1/1	2/4
C.C.	6/9	66.6	1/3	4/5			1/1
P.A.	5/8	62.5			5/8		
TOTAL	31/60	50.36	4/12	4/5	10/20	7/12	6/11

Game no. 2

Stage / Group C

Uniao de Coimbra

 University (Croatia) of Rijeka	16.07.2018.18:00 FINISHED <u>24 : 31</u>	 University (Romania) of Pitesti
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Game no. 2

Players	G/S	%	6 m	7 m	9 m	wing	counterattack
M.I.	3/8	37.5				2/5	1/3
P.A.M.	1/5	20	1/4				0/1
H.P.	1/5	20		0/1		0/3	1/1
R.L.	1/4	25	0/2		1/2		
P.F.	7/10	70			7/10		
S.B.	3/5	60	1/1			1/2	1/2
C.C.	9/12	75	4/6	2/2			3/4
P.A.	6/9	66.6	0/1		6/8		
TOTAL	31/58	46.76	6/14	2/3	14/20	3/10	6/11

Game no. 3

Stage / Quarterfinals

Uniao de Coimbra

 University of Pitesti (Romania)	17.07.2018.18:00 FINISHED <u>25 : 36</u>	 Radboud Nijmegen University (Netherlands)
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Game no. 3

Players	G/S	%	6 m	7 m	9 m	wing	counterattack
M.I.	4/8	50		1/1		1/4	2/3
P.A.M.	1/5	20	1/4				0/1
H.P.	0/5	0				0/4	0/1
R.L.	1/6	16.66	0/2		0/3		1/1
P.F.	3/9	33.33	1/3		2/6		
S.B.	3/6	50	1/1			2/4	0/1
C.C.	8/13	61.53	2/7	5/5	1/1		
P.A.	5/10	50			5/10		
TOTAL	25/62	35.19	5/17	6/6	8/20	3/12	3/7

Game no. 4

Semifinale /
Loc 5 – semifinala 2

Uniao de Coimbra

 University of Pitesti (Romania)	18.07.2018.14:00 FINISHED 36 : 26	 Universitatea din Rijeka (Croatia)
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Game no. 4

Players	G/S	%	6 m	7 m	9 m	wing	counterattack
M.I.	6/8	75		0/1		4/5	2/2
P.A.M.	0/2	0	0/2				
H.P.	5/7	71.42				4/6	1/1
R.L.	5/9	55.55	0/1	1/1	4/7		
P.F.	7/10	70			7/10		
S.B.	1/3	33.33	1/1			0/2	
C.C.	8/10	80	3/4	4/5			1/1
P.A.	4/8	50			4/8		
TOTAL	36/57	54.41	4/8	5/7	15/25	8/13	4/4

Game no. 5

Finale /
Loc 5 – final

Mario Mexia

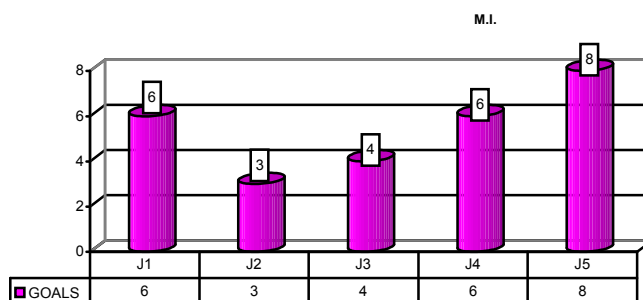
 University of Pitesti (Romania)	19.07.2018.12:10 FINISHED 33 : 31	 HPV Hessen (Germania)
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Game no. 5

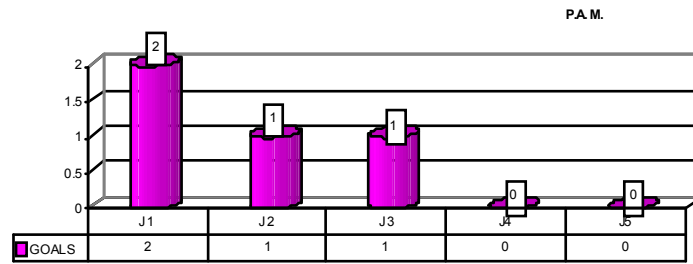
Players	G/S	%	6 m	7 m	9 m	wing	counterattack
M.I.	8/12	66.66		2/4		4/6	2/2
P.A.M.	0/4	0	0/4				
H.P.	0/6	0				0/6	
R.L.	5/8	62.5	2/3	1/1	2/4		
P.F.	3/12	25			3/12		
S.B.	6/10	60		1/1		4/7	1/2
C.C.	3/10	30	1/7	2/3			
P.A.	8/15	53.33		3/5	5/10		
TOTAL	33/77	37.18	3/14	9/14	10/26	8/19	3/4

Processing and interpretation of research results

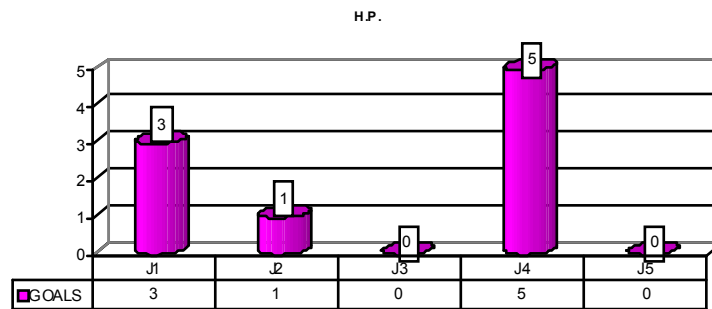
M.I. specializes on the extreme right. She had a total of 46 goal throws, scoring 27 goals with an efficiency of 58.69%. From 6 to 9 m it did not make any throws, from 7 m had 6 throws and scored 3 goals, from the extreme had 27 throws and scored 15 times, and the counterattack scored 9 goals from 13 throws.



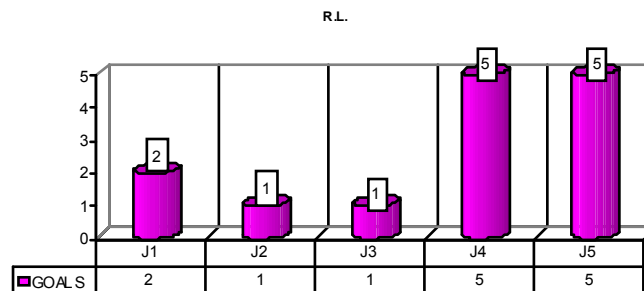
P.A.M. is a player specializing in the pivot. It had a total of 22 throws at the goal scored 4 goals with an efficiency of 18.18%. From 6 meters it had 19 throws and scored 4 goals and the counterattack had 3 throws and did not score any goals.



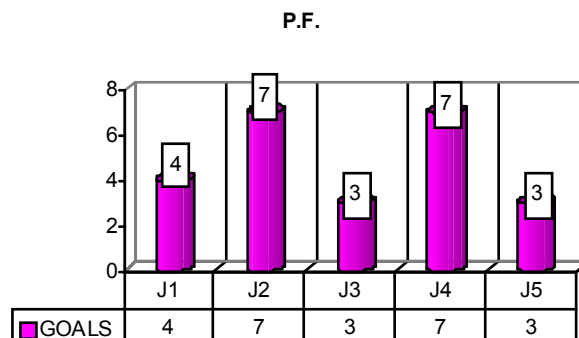
H.P. player specializing in the extreme left. It had a total of 30 goal throws, marking 9 goals with a 30% efficiency. From 6 m and 7 m he had a throw and did not score, from the extreme he had 23 throws and scored 6 times, and on the counter he scored 3 goals from 5 throws.



R.L. player on the right-hand side. It had a total of 33 throws at the goal and scored 14 goals with an efficiency of 42.42%. From 6 m he had 11 throws and scored 3 goals, from 7 m he had 2 throws and scored 2 goals, from 9 m he had 19 throws and scored 8 goals and the counterattack scored 1 goal in a single throw.

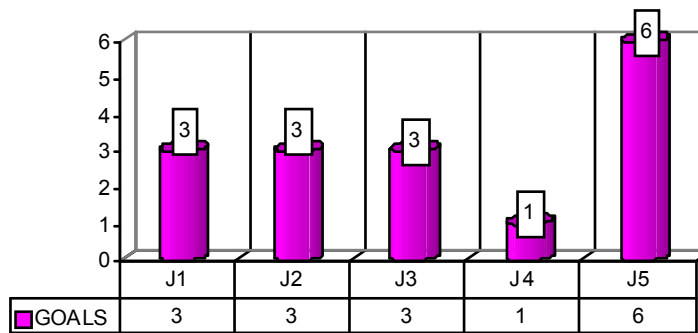


P.F. player on the left-hand side. It had a total of 50 throws at the goal, marking 24 goals with a 48% efficiency. From 6 m he had 3 throws and scored 1 goal and from 9 m had 47 throws and scored 23 goals.



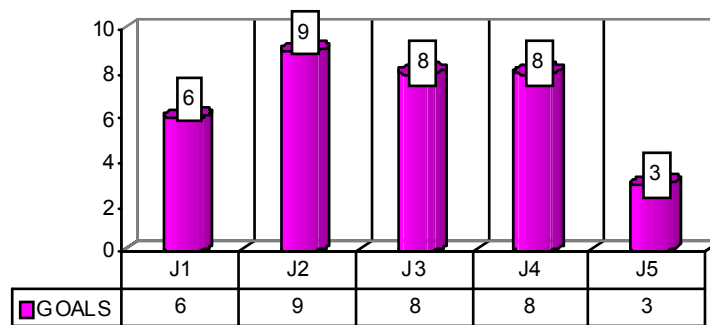
S.B. player specializing in the extreme left. It had a total of 29 goal throws, marking 16 goals with an efficiency of 55.17%. From 6 m he had 3 throws and scored 3 goals, from 7 m he had a throw and scored a goal, from the extreme he had 16 throws and scored 8 goals and the counterattack scored 4 goals from 9 throws.

S.B.



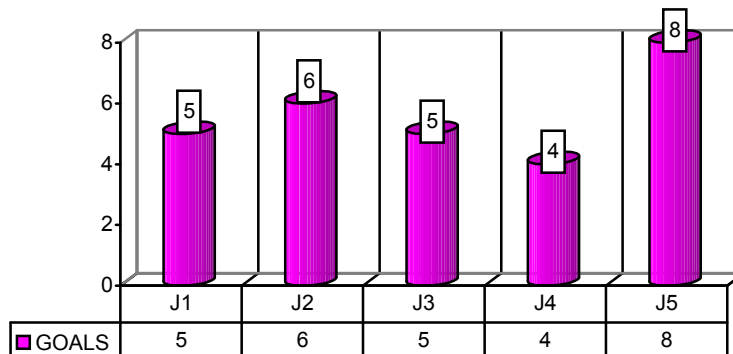
C.C. player specializing in pivot. It had a total of 54 throws at the goal, marking 34 goals with an efficiency of 62.96%. From 6 m had 27 throws and scored 11 goals, from 7 m had 20 throws and scored 17 goals, from 9 m had a throw and scored a goal and the counterattack scored 5 goals in 6 throws.

C.C.

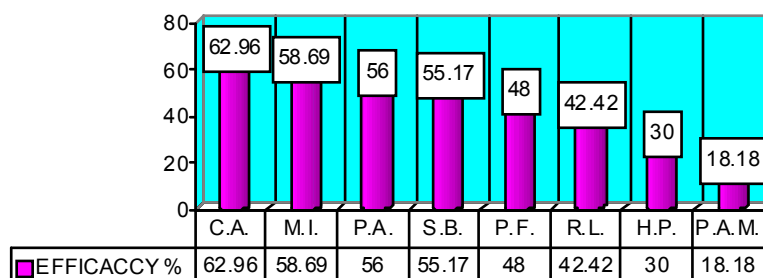


P.A. player on the left-hand side. It had a total of 50 throws at the gate, marking 28 goals with an efficiency of 56%. From 6 m had a throw and did not score, from 7 m had 5 throws and scored 3 goals and from 9 m had 44 throws and scored 25 goals.

P.A.



EFFICACY PLAYERS



Conclusions

As a result of the analysis of the efficacy of the gate throwing of the University of Pitești components that participated in the European Handball Women's Games, Coimbra 2018, we draw the following conclusions:

- the Pitesti University team had 314 goals to score 156 goals, the percentage being 49.68%.
- From the 6m line the team had 65 throws out of 22 goals, the percentage being 33.84%.
- from 7m the team had 35 throws out of 26 goals, the percentage being of 74.28%.
- from 9 m the team had 111 throws out of 57 goals, the percentage being of 51.35%.
- from the extreme team had a number of 66 throws out of 29 goals, the percentage being of 43.93%.
- on the counter, the team had 37 throws, scoring 22 goals, the percentage being 59.45%.

Regarding the order of effectiveness of the players, the results are:

- C.C. had a total of 54 defeats at the goal scored 34 goals, the effectiveness being 62.96%.
- M.I. had a total of 46 defeats at the goal of 27 goals, with an efficacy of 58.69%.
- P.A. had a total of 50 throws at the goal scored 28 goals, the effectiveness being 56%.
- S. B. had a total of 29 defeats at the goal scored 16 goals efficacy being 55.17%.
- P.F. had a total of 50 throws at the goal scored 24 goals, the effectiveness being 48%.
- R. L. had a total of 33 throws at the goal of 14 goals, the effectiveness being 42.42%.
- H. P. had a total of 30 throws at the goal scored 9 goals, the effectiveness being 30%.
- P.A.M. had a total of 22 throws at the goal scored 4 goals, the effectiveness being 18.18%.

Bibliography

Ghermanescu, I.K., Gogaltan, V., Jianu, E., Negulescu, I.C. (1983). *Handbal theory and methodics*, Didactics and Pedagogical, Bucharest

Mihăilă, I. (2013). *Handball. Games theory*, Pitesti University P.H..

<https://www.eug2018.com/>

<https://www.eusa.eu/events/games/coimbra-2018>