

竝列型 校舍棟 外部空間 利用實態 調查研究

- 忠北地域 公立初等學校 中心 -

The Using Condition of Outdoor Space in the Parallel Types focused on Elementary School Buildings of Chungbuk Province in Korea

洪 在 範\*      金 泰 永\*\*

Hong, Jai-Bum,      Kim, Tai-Young

Abstract

The purpose of this study is to clarify the using condition and requirement for outdoor space between the parallel types of elementary school buildings focused on Chungbuk province in Korea.

Consequently, we investigated the actual conditions of students and teachers, using conditions of outdoor space between school buildings. The summary of outdoor space can be given below.

1) In the using condition of outdoor spaces, most of them have path & covered walks, garden, playground and soon. The distances between neighboring building fixed, the use and quality of outdoor space is differently to spatial configuration of school buildings. For example, garden functions as itself in case of  $D/H > 3$ , but the other space to observe in  $D/H > 3$ .

2) In the requirements of outdoor spaces, the amount of scatter number of classmates and teachers is wide. The favoring outdoor space is the woods to take a rest by oneself, the demanding outdoor space is almost a resting place like a school store in case of classmates and the natural facilities like ponds · garden · pagora in teachers.

Keyword : Elementary School, Parallel Schoolhouse, Outdoor Space,

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28 , 34 , 7 12 3 ,  
 11 14 , 13 18  
 5 , 10 15 , 19 24  
 6 , 10 16 , 25  
 29 , 8 37  
 49  
 67 .  
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(1999. 4. 1 ) :

—	14	24	10	15	14	17	10	25	17	9	11	166		
ㄱ	3	1	1	0	0	2	0	1	0	0	0	8		
2	18 (17)	13 (8)	9 (7)	5 (3)	8 (7)	6 (4)	5 (3)	12 (7)	7 (6)	7 (5)	5 (2)	95 (69)		
ㄷ	3	1	1	0	0	0	0	0	0	0	0	5		
3	1	2	1	0	2	1	3	1	1	0	4	16		
	39	41	22	20	24	26	18	39	25	16	20	290		

(GL)

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2.2

290 2  
 95 , ㄷ 5 , 3 16 116  
 , 2  
 2 26

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— , ㄱ ,  
 2 , 2  
 2 ㄷ , 3  
 290 2 95 , ㄷ 5 ,  
 3 16 32.75% , 1.72% , 5.51%  
 , 2 · 3  
 , 2 ㄷ  
 .3)  
 ,4)  
 , 6 6 ,






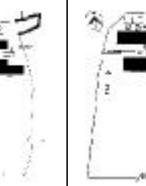














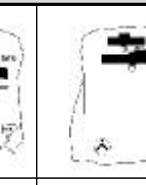










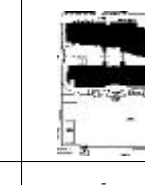
가  
 4 5) (7 : , -  
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 , 2 가 1 1/2  
 (13 : , , 가 , , 가  
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 (6 : , , , 가 -  
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 , 가  
 가

3) , 8 1 ( 25 ) , 2001  
 , 3 , 10

4) 6 , 7 12 , 13 18 , 19  
 24 , 25

5) D / H 4  
 가  
 (YOSHINOBU ASHIHARA, EXTERIOR  
 DESIGN IN ARCHITECTURE, , 1973)







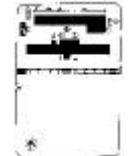





















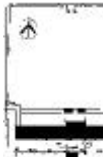









6 (17)					
					
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-	-	-	-	-	-
					
-	-	-	-	-	
7 12 (6)					
					
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13 18 (9)					
					
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19 24 (12 )					
					
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25 (25 )					
					
-	-	-	-	-	-
					
-	-	-	-	-	-
					
-	-	-	-	-	-
					
-	-	-	-	-	-

2.

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D/H=2<sup>9)</sup>

, 2>D/H>1

15.4m

, 4

D/H ≤ 1.5

(3

) 2>D/H>1.5

, 17 2 4

( , , , ), 3 2

( , ) 3>D/H>2

, 2

4.

1	(3)	1	
1-1.5	, , ,	4	, , ,
1.6-2	, ,	3	, , , , ,
2.1-2.5	, , ,	4	, ,
2.6-3		1	
3	가, , , (3)	4	, , , , ,
		17	

(3) 3

, D/H>3 2 가 ,

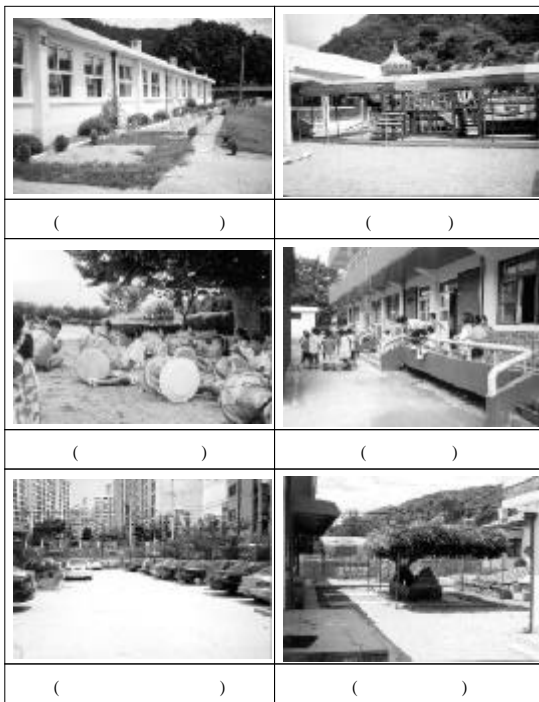
, 3 1·2

, D/H=7.0

8)

( 3 )

9) D/H 0.8 2 1.5 , 1 ,



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( )

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( )

( )

( )

3.

(3) , 가 ,

.8)

3.

		( : m)													
										1,2	1		2		( )
2	15									18	4	14.9	4	14.9	1.2
	25									10	2	7.7	3	11.3	1.3
	61									16	4	14.9	3	11.3	1.1
	60									15	4	14.9	4	14.9	1.0
	38									16	2	7.7	2	7.7	2.1
	19									17.5	2	7.7	2	7.7	2.2
		6	5	2		2		2	1	15.4					1.4
		5	7							14.5	1	4.1	1	4.1	3.5
		20								20	2	7.7	2	7.7	2.6
		30								21.5	3	11.3	2	7.7	1.9
		12								27	2	7.7	3	11.3	3.5
		6								7	1	4.1	1	4.1	1.7
		6								10	1	4.1	1	4.1	2.4
		19								45	3	11.3	2	7.7	3.9
		12								13	2	7.7	1	4.1	1.7
	8	7	2	3	5	1	2	1	19.7					2.6	
	14	12	4	3	7	1	4	2	17.8					2.1	
3	34		( )	( )	( )	( )			9(18)	1	4.1	2(4)	7.7(14.9)	2.2(2.3)	
	13		( )		( )	( )			11(13.4)	3	11.3	2(1)	7.7(4.1)	0.9(1.7)	
	6		( )			( )		( )	29(9)	1	4.1	1(1)	4.1(4.1)	7.0(2.1)	
		3	3(3)	2(1)	3(2)	3(3)		1(1)	1	16.3(13.4)					3.3(2.0)
	17	15(3)	6(1)	6(2)	10(3)	1	5(1)	3	17.5(13.4)					2.3(2.0)	

( ) 3

2・3

1・2

( )<sup>10)</sup>

(H)

(D)

(D/H)

, 1

17

가

11)

2・3

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1

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, 2

1.4 (15.4m),

1

2

(A

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2.6 (19.7m)

, 3

2

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2・3

2

4

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, 3

1

5

(B

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가

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9

, 3

1

3.3

10)

11)  
3

1

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2

( 17 )		
A (11)		
	-	(3)
B (27)		
	-	-
C (49)		
	-	가
D (3)		
	-	(3)

(3) 3

4.



10 (C - , , ,  
 가 , , , , , ,  
 ) 가  
 , 3 , 3  
 가 3 (D -  
 , , )가  
 90 (2 69 , ㄷ  
 5 , 3 16 ) A 11 (12.22%),  
 B 27 (30.00%), C 49 (54.44%), D  
 3 (3.33%) 가 B  
 가

A 가  
 B 1.5 (12)

( , 가, , )  
 C

가  
 가

4.  
 4.1

41 , 615 , 246  
 가 234

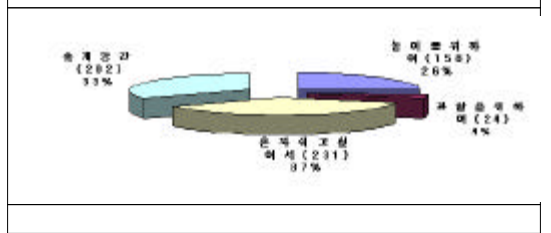
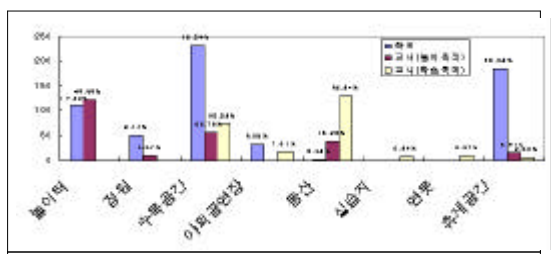
12) 가 3.9 , 4

(38.04%), 185 (30.08%), 가  
 110 (17.88%), 50 (8.13%)  
 .13)

가 231 (37.56%) 가 ,  
 가 202 (32.84%),  
 가 158 (25.69%),  
 가 24 (3.9%)

가  
 가 122 (49.59%)  
 가 , 56 (22.76%) , 40  
 (16.26%)  
 , 130 (52.84%)  
 , 74 (30.08%) 가  
 , 18 (7.31%)

(23%), (15%), (36%), (13%)  
 (13%)

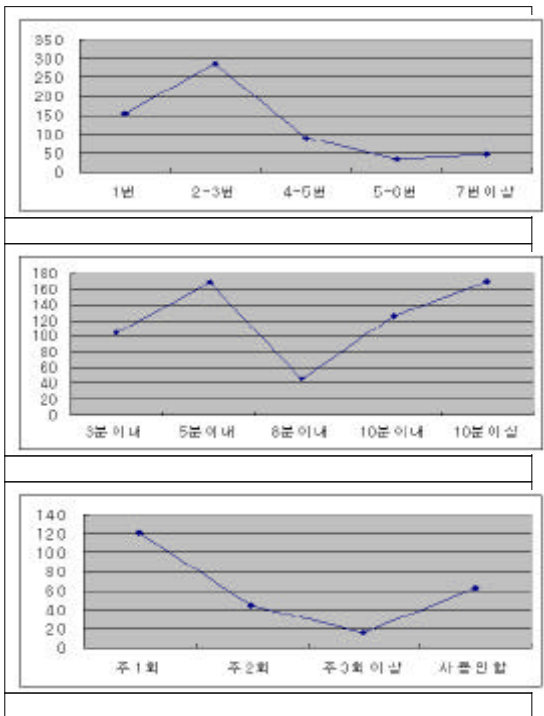


5.

13) 가 가

4.2

2-3  
286 (46.5%), 1  
156 (25.36%), 4-5 89 (14.47%)  
2-3  
10  
170 (27.64%), 5 169 (27.47%), 3  
104 (16.91%)  
246 121 (49.18%) 1  
, 45 (18.29%) 2 , 17 (6.91%) 3  
63 (25.6%)  
(72.78%)

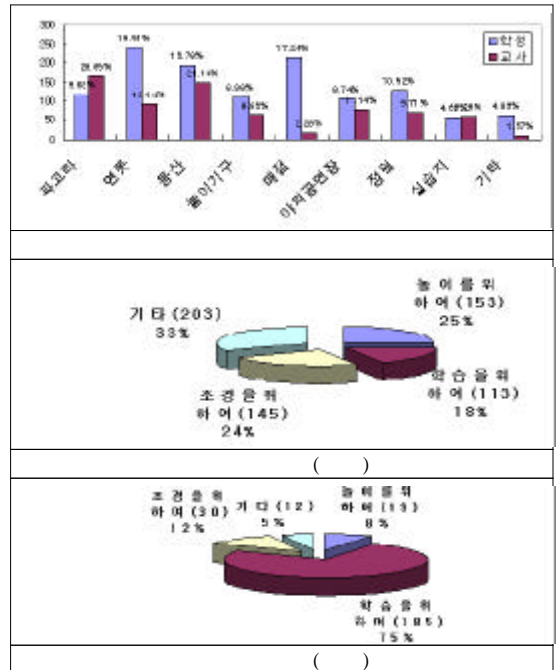


6.

4.3

가

14) (19.51%),  
(17.24%), (15.78%),  
(24.87%), (23.57%),  
(18.37%)  
가  
185 (75.2%),  
30 (12.19%), 19 (7.72%)  
15)  
가 가  
517 (84.06%), 146 (59.34%)



7.

14) 9

가

15)

615

가 가 2  
 가 170 (69.1%)

5.

90 (2 69  
 , 5 , 3 16 )

15.4( ) 19.7( )m

D/H가  
 D/H<2 D/H>3

1 2·3

가 16) 가

2 3 , 1

(修景)

D/H 가

가

1. , , , 1988.
2. , , , 1994.
3. 5 , , , 1995.
4. , , , , 1994
- 11 .
5. , , , 1991.
6. , , , 1976.
7. , (1)·(2), , 1984.
8. , , , 1998.
9. , , , 2001 4 .
10. , , , 1999.
11. , , , 1999.
12. , , , 1999.
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16) 4, 5, 6