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A Study on Operational Model of Subject-Based Online Community for Open Access System - with Special Reference to Community Service Functions and Researcher's Participation Will

(Young-Ki Kim)** , (Jong-Geun Jeong)*** , (Soo-Sang Lee)****

KISTI , MIT DSpace

30 - 40

ABSTRACT

The purpose of this study is to provide successive online community operational model in response to the world wide open access movement which supports the broadest possible access to published research and other scholarly writings. This study is divided into four areas in a large. First, this study reviewed general community, online community and open access movement. Second, well-known online scholarly community, i.e., KISTI Society, BRIC, DSpace were analyzed precisely focusing on the administrative and functional factors to find key to success. Third, based on the above two studies, major functions of community services were identified. For this work, community service functions and participation will were asked to the researchers registered in Korea Research Foundation. According to the results of the above works, this study presents the important functions of online community services as follows: management function of research results, posting function of issue reports, and provision function of integrated information on research proposal should be provided preferentially to researchers aged 30s and 40s.

community, online community, scholarly community, subject-based community, community-function, community-participation, open access system

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(2000, 120 - 121).

, A. J.

Kim(2000)

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(2006)

2.3

2001, 9 - 10)

가

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Benjamin(1998)

가
(Best Practice)

KISTI
BRIC, DSpace

3.1

3.1.1 KISTI
(<http://society.kisti.re.kr/index.jsp>)

(KISTI)

3.1.2
(<http://bric.postech.ac.kr/>)

(Biological Research Information Center, BRIC)
가

1996 1, 5

interactive discussion forum

KIST가
(KISTI-ACOMS)

BRIC
가

, 가 .
 가 white data
 gray data, volatile data
 gateway .
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 BRIC
 , BioJob
 , BioLink . BRIC
 가
 . BRIC
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3.1.3 DSpace
 (http://dspace.org/index.html)

DSpace MIT Hewlett-Packard
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DSpace

DSpace
 Institutional Repositories
 (IRs), Learning Object Repositories
 (LORs), eTheses, Electronic Records
 Management (ERM), Digital Preservation,
 Publishing .
 DSpace가
 , , ,
 , DSpace가
 Articles and preprints, Technical
 reports, Working papers, Conference
 papers, E - theses, Datasets, Images,
 Audio files, Video files, Learning objects,
 eformatted digital library collections,
 Learning objects, Web pages .
 DSpace DSpace
 Wiki(<http://wiki.dspace.org/index.php/>)
 DSpace
 FAQ, DSpace resources , DSpace
 ,
 (upcoming, prospective, and past), DSpace
 OAI - PMH URLs,
 DSpace projects(

) . DSpace DSpace
 DSpace Wiki

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- , 15 1 18,465
 .
 - 11,029 (59.73%) ,
 2,131 .

- 가 , , 24 . 1-

12 , 13-20

21-24

5

(Likert's method)

SPSS 12.0

(Cronbach')

4.

4.1

2007 3 27 29

4.2

3

가

< 1 >

	()	Cronbach's
	1 - 12(12)	0.928
	13 - 20(8)	0.923

() 81.3%

가 64.3%, 17.1%

가 41.7% 가 (28.7%), (19.6%)

가 0.6 가

(2

2002, 553-566). 가

1-12

, 13-20

, SPSS 0.6

70%가 30 40

가

4.3

가

40 가

가 44.9% ,

30 50 가 23.7% 23.3%

< 2>

		(n=2,131)	(%)
	30	103	4.8
	30	505	23.7
	40	957	44.9
	50	496	23.3
	60	57	2.7
		2,118	99.4
		13	0.6
		2,131	100.0
		1,732	81.3
		139	6.5
		56	2.6
		118	5.5
		37	1.7
		2,082	97.7
		49	2.3
		2,131	100.0
		1,371	64.3
		364	17.1
		52	2.4
		30	1.4
		148	6.9
		133	6.2
		2,098	98.5
		33	1.5
		2,131	100.0
		888	41.7
		611	28.7
		418	19.6
		64	3.0
		93	4.4
		44	2.1
		2,118	99.4
		13	0.6
		2,131	100.0

4.4

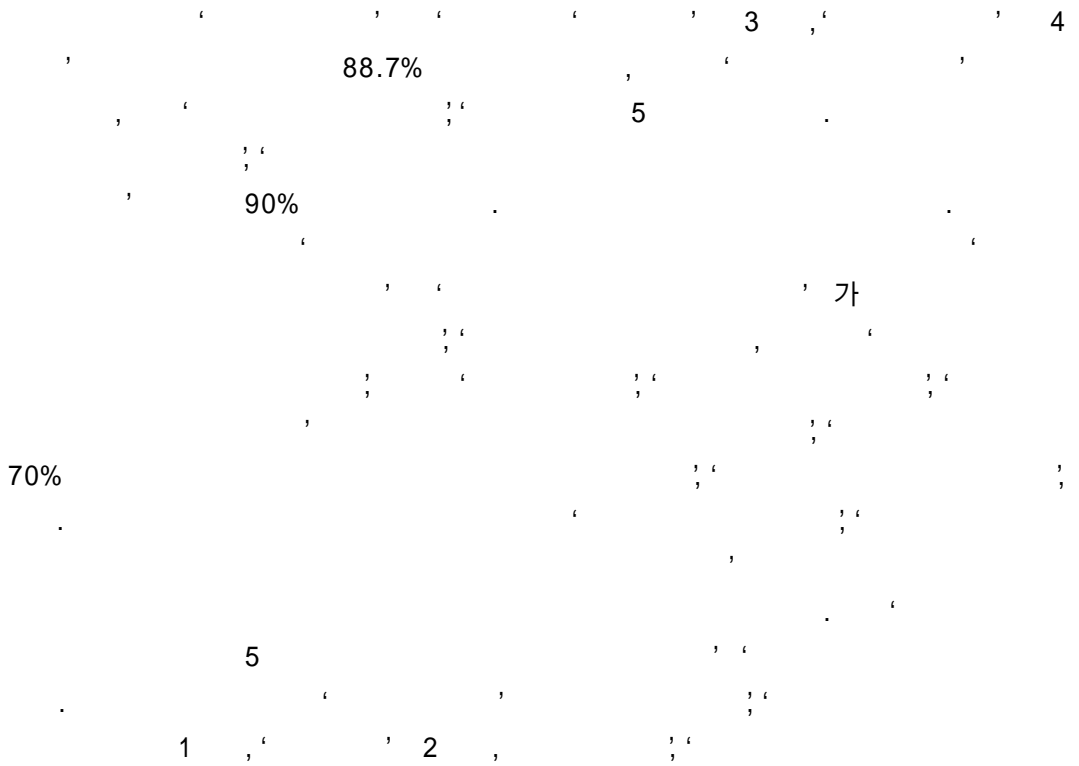
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	(%)					
(%)	967 (45.8)	974 (46.1)	117 (5.5)	43 (2.0)	10 (0.5)	2111 (100)
(%)	953 (45.0)	1004 (47.4)	123 (5.8)	31 (1.5)	6 (0.3)	2117 (100)
(%)	808 (38.5)	1073 (51.1)	167 (7.9)	46 (2.2)	7 (0.3)	2101 (100)
(%)	780 (37.0)	1011 (48.0)	243 (11.5)	65 (3.1)	9 (0.4)	2108 (100)
(%)	1054 (50.3)	895 (42.7)	110 (5.3)	26 (1.2)	9 (0.4)	2094 (100)
(%)	745 (35.7)	1064 (50.9)	237 (11.3)	36 (1.7)	7 (0.3)	2089 (100)
(%)	476 (22.7)	1013 (48.3)	207 (24.2)	89 (4.2)	13 (0.6)	2098 (100)
(%)	856 (40.8)	1042 (49.7)	173 (8.2)	17 (0.8)	9 (0.4)	2097 (100)
(%)	606 (28.9)	1113 (53.1)	322 (15.3)	47 (2.2)	10 (0.5)	2098 (100)
(%)	522 (24.8)	986 (46.9)	479 (22.8)	98 (4.7)	17 (0.8)	2102 (100)
(%)	453 (21.8)	1004 (48.3)	533 (25.6)	75 (3.6)	15 (0.7)	2080 (100)
(%)	558 (26.7)	955 (45.7)	483 (23.1)	79 (3.8)	17 (0.8)	2092 (100)



< 4>

	1.587
	1.646
	1.652
	1.703
	1.749
	1.801
	1.820
	1.924
	2.064
	2.097
	2.118
	2.132
	1.858

4.5

87% 가

80% 가

< 5>

< 4> . < 5>

가 가

72%

(89%)

< 5>

	(%)					
	383 (18.3)	1123 (53.6)	482 (23.0)	89 (4.3)	17 (0.8)	2094 (100)
	340 (16.1)	1038 (49.2)	588 (27.9)	123 (5.8)	19 (0.9)	2108 (100)
	285 (13.6)	975 (46.6)	647 (30.9)	166 (7.9)	21 (1.0)	2094 (100)
	442 (21.1)	1251 (59.7)	341 (16.3)	52 (2.5)	9 (0.4)	2095 (100)
	617 (29.6)	1198 (57.4)	237 (11.4)	28 (1.3)	7 (0.3)	2087 (100)
	299 (14.3)	1038 (49.6)	624 (29.8)	118 (5.6)	12 (0.6)	2091 (100)
	338 (16.1)	1194 (56.9)	482 (23.0)	74 (3.5)	12 (0.6)	2100 (100)
	454 (21.5)	1205 (57.1)	383 (18.2)	57 (2.7)	11 (0.5)	2110 (100)

< 6>

	1.855
	2.014
	2.036
	2.156
	2.157
	2.261
	2.286
	2.362
	2.141

4.6

< 6>

가

가

가

4.6.1

12

8

< 8 >

		251	258	19	2	0	530
	%	47.36	48.68	3.58	0.38	0.00	100.00
	%	89.64	20.57	3.60	3.77	0.00	24.96
	%	11.82	12.15	0.89	0.09	0.00	24.96
		28	969	347	10	0	1354
	%	2.07	71.57	25.63	0.74	0.00	100.00
	%	10.00	77.27	65.72	18.87	0.00	63.78
	%	1.32	45.64	16.34	0.47	0.00	63.78
		0	26	160	31	0	217
	%	0.00	11.98	73.73	14.29	0.00	100.00
	%	0.00	2.07	30.30	58.49	0.00	10.22
	%	0.00	1.22	7.54	1.46	0.00	10.22
		1	1	2	10	3	17
	%	5.88	5.88	11.76	58.82	17.65	100.00
	%	0.36	0.08	0.38	18.87	37.50	0.80
	%	0.05	0.05	0.09	0.47	0.14	0.80
		0	0	0	0	5	5
	%	0.00	0.00	0.00	0.00	100.00	100.00
	%	0.00	0.00	0.00	0.00	62.50	0.24
	%	0.00	0.00	0.00	0.00	0.24	0.24
		280	1254	528	53	8	2123
	%	13.19	59.07	24.87	2.50	0.38	100.00
	%	100.00	100.00	100.00	100.00	100.00	100.00
	%	13.19	59.07	24.87	2.50	0.38	100.00

89.03%, 82.73%, 86.44%가

94.59%, 92.86%

가

가 , , .
 가 , .
 88.76%가 , , ,
 , ' , ,
 (84.45%) (87.08%)
 (91.67%)
 (95.31%) 가

5.

5.1

가 가
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 가 가
 가 가

가
 12 가 2
 가

70%가 30 40 가
 가

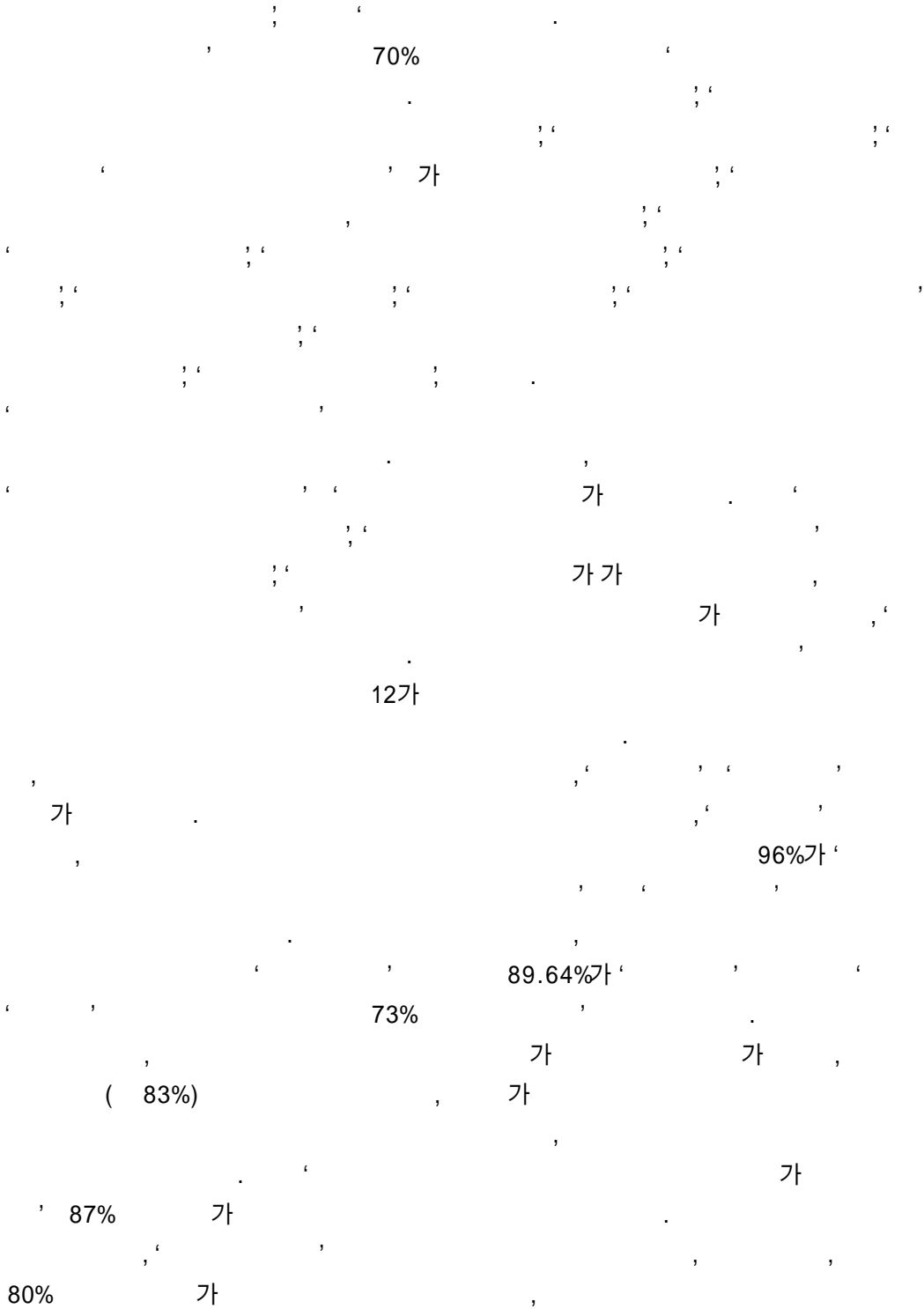
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2,131

가 가

5.2

88.7%
 90%



		가	
	88.7%가		
			(83.78%)
	가		(74.58%),
		(72.34%),	(69.64%),
		가	(64.75%)
	(88.26%)	(83.33%),	(78.85%),
(87.09%)	(94.23%),	77.03%),	(70.07%),
(93.33%),	(92.57) 가	(70.17%)	
			(67.59%)
		(69.62%)	
	88.76%가	(75.79%)	(84.95%) 가
	(84.45%)		
	(87.08%)		
(91.67%)	가		
			가
	72.19%가	가	

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