

(140)

(Naming)

(Reading)

(phonological Awareness)
(spelling)

(Ball

& Blachman, 1991; Lonigan, Burgess, & Anthony., 2000)

(Goswami & East, 2000; Lonigan, Burgess, & Anthony, 2000)

(Adams, 1990.; Badian, 2001; Stuart, 1995)

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.1
.2

(Adams, 1990; Snow, Burns, & Griffin, 1998; Whitehurst & Lonigan, 1998)

.(Byrne & Fielding-Barnsles, 1993)

.(Adams, 199.)

. (Ball & Blachman, 1991; Byrne & Fielding-Barnsley, 1993)

(Moates & Foorman, 2003)

. (Bradley and Bryant, 1983)

(Tangel and Blachman, 1992)

(Brown & Felton,

1990

(Ball and Blachman, 1991)

(Blachman, 1991)

(Peterson and Haines,

1992)

(Blachman, 2000)

(O'Connor, Jenkins, &

(Torgesen Morgan, &

.Slocum, 1995)

Davis, 1992)

.(Justice & Ezell, 2002)

.(Rack, Snowling, & Olson, 1992; Siegel & Ryan, 1988)

(Lyon,1995;Manis, Custodio, &

.Szeszulski, 1993 Perfetti, 1992)

. (Share, 1995)

(Wolf &

.Bowers, 1999)

(Bowers and Wolf,

1993)

(Bowers, Golden, Kennedy, and Young, 1994)

(Torgesen, Wagner, Rashotte, 1997;
Wagner, Torgesen, Rashotte, Hecht, Barker, Burgess, Donahue, & Garon.,
1997)

(Olofsson, 2000.)

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(4)
(20) (160)
(140)
(1)
(1)

57

46

23

126

(1) :

58

51

31

140

58

51

31

140

58

51

31

140

58

51

31

140

:

-1 :

-3

-2 .

0.85

45

(2)

(2)

64.905	112.18	57
31.593	69.85	46
87.340	108.65	23
		126
2.41015	7.6552	58
2.55082	7.6667	51
2.30100	6.8065	31
		140
4.01498	15.9483	58
3.27713	17.9804	51
2.27374	18.3548	31
		140

6.57149	53.2069	58
5.66392	55.0000	51
4.10481	55.1290	31
		140
8.39859	37.9138	58
8.50762	40.6869	51
6.66027	42.6774	31
		140

(Justice

. & Ezell, 2..2; Wolf & Bowers, 1999)

(Olofsson,

. 2000)

(3)

(3)

0.001	6.862	25027.904	2
		3647.540	123
			125
0.231	1.480	8.805	2
		5.951	137
			139
0.001	6.940	81.607	2
		11.759	137
			139

(3) :

0.181	1.732	57.785	2
		33.365	137
			139
0.025	3.808	249.306	2
		65.477	137
			139

0.001 (3)
0.05

(Tukey)

.(4)

(4)

0.002	11.970	*42.328
0.970	14.919	3.523
0.035	15.423	*38.804-

(4) :

1.000	0.46828	0.01149-
0.265	0.54274	0.84872
0.272	0.55556	0.86022
0.007	0.65825	*2.03212-
0.006	0.76292	*2.4.656-
0.881	0.78094	0.37445-
0.242	1.10882	1.79310-
0.296	1.28513	1.92214-
0.995	1.31549	0.12903
0.178	1.55331	2.77248-
0.025	1.80030	*4.76363-
0.528	1.84283	1.99114-

0.05 *

(4)

(0.05)

(0.05)

(0.05)

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