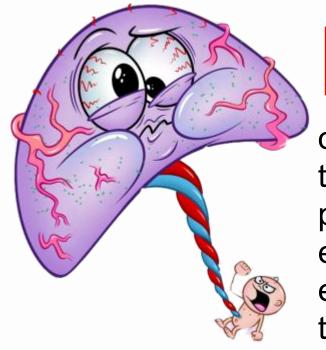


[kesehatan Ibu dan Anak] **THE CORRELATION BETWEEN HYPERTENSION AND LOW FETAL WEIGHT (LFW) IN PALEMBANG CITY, INDONESIA**]



ypertension as

one of health problem that often occurs during pregnancy epidemiological evidence that can affect the incidence of small for gestational age.

AIM / OBJECTIVE

The purpose of this study is to determine the effect of hypertension on the incidence of low fetal weight.

METHODS

This study is using a cross-sectional design with a total of 752 samples in 25 selected health services in Palembang taken by accidental sampling method.

Hypertension in this study was 130/90mmHg blood pressure at the first antenatal care.

Data collection was used in this study by interviewing pregnant women who visited health service. The health worker in this study is a midwife or doctor who keeps the patien checked.

Midwives and doctors measured the size of fetal weight, gestational age, and hypertension

RESULTS	Table	. Profil	of
Variabel	Ν	Mean	Ν
Age (year)	752	28	

pregnant (kg)	752	52	52
Height (cm)	752	158	158
BMI (kg/m ²)	752	23.84	23.62

	Table	. Profil	of Mate	rnal		
Variabel	N	Mean	Median		Mir	n Maks
Age (year)	752	28	27	4	17	
Weight before						
pregnant (kg)	752	52	52	4.5	40) 72
Height (cm)	752	158	158	4	14:	3 173
BMI (kg/m ²)	752	23.84	23.62	1.87	19.4	47 32.02
Table. Inciden	t of Lo	ow Feta	l Weight	and H	yperte	ension
Variabel		n	%			ent Interval
				Low	er	Upper
Low fetal weight		31	4.1	2.9)	5.6
Normal weight feta	ıl '	721	95.9	94.	4	97.1
Hypertension		29	3.9	2.5	5	5.5
Normotension						
NOTHOLEHSION		723	96.1	94.	5	97.5
Table. Correlatio	on of L	ow Feta	al Weigh			tension PR
Table. Correlatio	on of L Fe LFW	ow Feta	al Weigh	nt and H		tension
Table. Correlatio	on of L Fe LFW	ow Feta etal Weig No N	al Weigh ht ormal	nt and H Tot N 29	-lyper P	tension PR
Table. Correlatio	on of L Fe LFW % 24.1	ow Feta etal Weig No N 22	al Weigh ht ormal %	nt and H Tot N 29		rtension PR (95 % CI)
Table. Correlation	on of L Fe LFW % 24.1 4 3.3	ow Feta etal Weig No N 22 699	al Weigh ht ormal % 75.9 96.7	nt and H Tot N 29 723 f Low F	-lyper P 0.000	tension PR (95 % CI) 7.27 (3.41-15.48)
Table. Correlation VARIABLE Normotension 24 Table. Logistic	on of L Fe LFW 24.1 4 3.3 Regre	ow Feta etal Weig No N 22 699	al Weigh ht ormal % 75.9 96.7 alysis of rtension	nt and H Tot N 29 723 f Low F	-lyper P 0.000	tension PR (95 % CI) 7.27 (3.41-15.48) Weight and
Table. Correlation VARIABLE Normotension 24 Table. Logistic	on of L Fe LFW 24.1 4 3.3 Regre	ow Feta etal Weig No N 22 699	al Weigh ht ormal % 75.9 96.7 alysis of rtension	nt and H Tot N 29 723 f Low F	-lyper P 0.000	tension PR (95 % CI) 7.27 (3.41-15.48) Weight and 95% C.I.for
Table. Correlation VARIABLE Mormotension Table. Logistic B S.	on of L Fe LFW 24.1 4 3.3 Regre .E. V	ow Feta etal Weig No N 22 699	al Weigh ht ormal % 75.9 96.7 alysis of rtension	nt and H Tot N 29 723 F Low F	-lyper P 0.000	tension PR (95 % Cl) 7.27 (3.41-15.48) Weight and 95% C.I.for EXP(B)
Table. Correlation VARIABLE Mormotension Table. Logistic B S. -2,226 0,4	on of L Fe LFW 24.1 4 3.3 Regre .E. V	etal Weig Na N 22 699 tion An Hyper	al Weigh ht ormal % 75.9 96.7 alysis of rtension Df S 1 0,	nt and H Tot N 29 723 F Low F ig. Ex	-lyper P 0.000 Fetal V	tension PR (95 % CI) 7.27 (3.41-15.48) Weight and 95% C.I.for EXP(B) Lower Upper

RESULTS	Table	e. Profil	of Mate	ernal		
Variabel	N	Mean	Mediar	ו SD	Mii	n Maks
Age (year)	752	28	27	4	17	
Weight before		-	-			-
pregnant (kg)	752	52	52	4.5	40	72
Height (cm)	752	158	158	4	14	3 173
BMI (kg/m ²)	752	23.84	23.62	1.87	19.4	47 32.02
Table. Inciden	t of Lo	ow Feta	l Weigh	t and H	yperte	ension
Variabel		n	%	95 % (Confid	ent Interval
Low fetal weight		24	A A	Low		Upper
		31	4.1	2.9		5.6
Normal weight feta		721	95.9	94.4		97.1
Hypertension		29	3.9	2.5	5	5.5
Normotension		723	96.1	94.	5	97.5
Table. Correlatio	on of L	.ow Fet	al Weigl	ht and H	lyper	tension
	_	etal Weig	ht			
VARIABLE	LFW		ormal	Tot	Р	PR
VARIADLE	• (N	%	N		(95 % CI)
Hypertension 7	24.		70 75.9	29		7.07
				_	0.000	7.27 (3.41-15.48)
Normotension 24	4 3.3	699	96.7	723		(3.41-15.48)
Table. Logistic	Regre	tion An	alysis o	f Low F	etal V	Veight and
			tension			-
						95% C.I.for
B S.	.E. \	Vald	Df S	ig. Ex	р(В)	EXP(B)
						Lower Upper
-2,226 0,4	481 2	1,422	1 0,	,000 0,	108	0,042 0,277
Konstan 1,081 0,8 ta	392 1	,468	1 0,	226 2,	949	

RESULTS	Та	able.	Profil	of Mate	ernal			
Variabel		N	Mean	Mediar	n SI		∕lin N	laks
Age (year)		52	28	27	4			40
Weight before								
pregnant (kg)	7	52	52	52	4.	5 4	40	72
Height (cm)	7	52	158	158	4	1	43	173
BMI (kg/m²)	7	52	23.84	23.62	1.8	87 19	9.47 3	2.02
Table. Incide	nt o	f Lov	v Feta	l Weigh	t and	Нуреі	rtensior	
Variabel		n		%	95 %	6 Confi	ident Int	erval
					Lc	ower	Upp	ber
Low fetal weight	t	3	1	4.1		2.9	5.	6
Normal weight fet	tal	72	21	95.9	ç	94.4	97	.1
Hypertension		2	9	3.9		2.5	5.	5
Normotension		72		96.1		94.5	97	
Table. Correlati	ion				ht and	d Hype	ertensio	'n
			al Weig		Tot		PI	२
VARIABLE		W %	N N	ormal %	N	Р	(95 %	5 CI)
Hypertension	n 7	[%] 24.1	22	[%] 75.9	29			7
						0.00		
Normotension 2	24	3.3	699	96.7	723		(3.41-1	J.4 0)
Table. Logistic	: Re	-		alysis o tension		v Fetal	_	
								C.I.for
BS	S.E.	Wa	ld	Df S	Sig.	Exp(B)	EXF Lower	P(B) Upper
	104	0.4	400	4	000	0.400		
),481	21,4			,000	0,108	0,042	0,277
Konstan 1,081 0, ta	,892	1,4	68	1 0,	,226	2,949		



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əri	nal			
n	SD	Min	Maks	
	4	17	40	_
	4.5	40	72	
	4	143	173	
	1.87	19.47	32.02	_

ecially for hypertension pregnant, one of kind ommended for prevention or treatment of eclampsia and eclampsia by WHO is in areas ere dietary calcium intake is low,

ium supplementation during pregnancy (at doses of -2.0 g elemental calcium/day) is recommended for prevention of pre-eclampsia in all women,

especially those at high risk of developing clampsia Women with severe hypertension during receive treatment should nancv with vpertensive drugs

NCLUSIONS

The prevalence of hypertension women experienced a low of fetal pht is at 7,272 times (95% CI 3,415-15,482) greater than those who not hypertensive. The odds of low fetal weight in hypertensive women e 24.1%.

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