

Presentation Subjects	5 645
- Presentation Subjects	
Background	
2 Data Security Theory	
Existing System Analysis and Security Policy	
Design & Implementation	
5 Analysis	
6 Conclusions & Suggestions	









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3 Securit	y Policy	
V Dat	a Security Improvement Alternatives, through improving:	
	Data handling procedures	
	Database security	
×	Operating system security	
	Application security	
	Computer network security	



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3 Se	curity Policy										U
	Existing Security Sp	ecifi	icatio Is Cor	on ntrol	Matrix						
	Users *) Data	1	2	3	4	5	6	7	8	9	
	Province	r,w	r	r				r	r	r	
	Residency	r,w	r	r				r	r	r	
	District	r,w	r	r				r	r	r	
	Sub District	r,w	r	r				r	r	r	
	Block	r,w	r	r	r	r	r	r	r	r	
	Parcel	r,w	r,w	r	r	r	r	r		r	
	Building	r,w	r,w	r	r	r	r	r		r	
	Street	r,w	r	r	r	r	r	r		r	
	Stream	r,w	r	r	r	r	r	r		r	
	Symbol	r,w	r	r	r	r	r	r		r	
	Note: r = read w = write *) 1 = Administrator 2 = Non Administrator Perso 3 = Head of Data & Valuation 4 = Service Point Officer 5 = Tax Determination Section	nnel Section Offici	on cer	6 = Ri 7 = Hi 8 = Ri 9 = O	evenue ad of ti egional ficer of	Sectior he Loca Tax Off the Dir	n Office al Offic licer rectora	er e te Gen	eral of	Tax	









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(4) Design									
Data Access Privilege Design									
Object privileges									
Role') A B C D E									
Table									
PROVINCES siud s s									
REGENCIES siud s s									
DISTRICTS siud s s s									
SUB DISTRICTS siu,d s s									
BLOCKS <mark>sjund s s</mark> s									
PARCELS siud sid s S Notes:									
BUILDINGS siud siud s s object privileges:									
STREETS siud s s s s select,									
STREAMS siud s s s u = update									
SYMBOLS siud s s s d = delete									
USERS siud su su su									
POSITION sind s s s s C = Role SERVICE PNT									
PARCEL UPDATES siud siud D = Role DIR.GEN.									
BUILDING UPDATES siud siud									
	MUTOL								























