



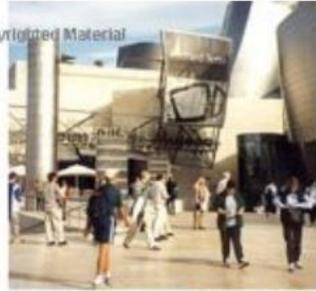
# Analisis peruangan

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PERANCANGAN ARSITEKTUR 2/2021



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# Architecture In Use

An introduction  
to the programming,  
design and evaluation  
of buildings



DJM van der Voordt  
HBR van Wegen

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## Overview

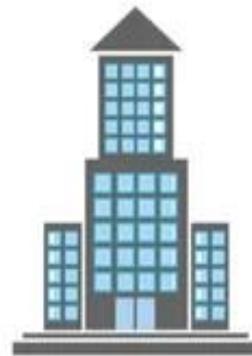
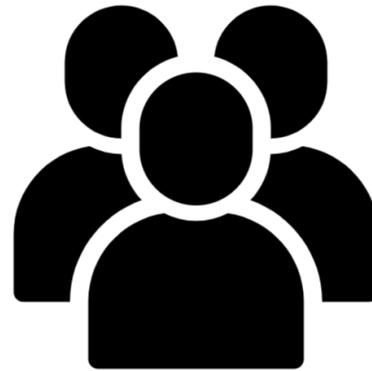
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1. Kebutuhan ruang
2. Pola hubungan ruang
3. Organisasi ruang
4. Zonasi ruang

# Jenis data

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- a. User requirements
- b. Functions and performance
- c. Expected visual quality
- d. Internally imposed conditions



# Kebutuhan ruang

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Jenis ruang apa saja yang dibutuhkan?



Bagaimana kebutuhan spesifik tiap ruang tersebut?



Sumber: Hgtv.com

# Pola hubungan ruang

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Bagaimana hubungan antar ruang satu dengan yang lain?



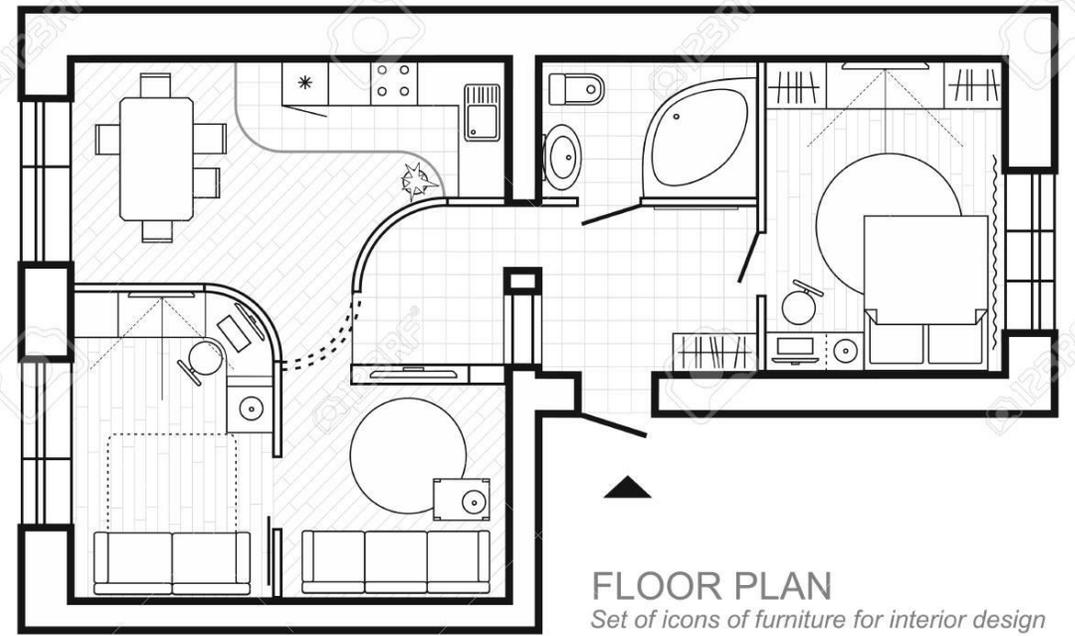
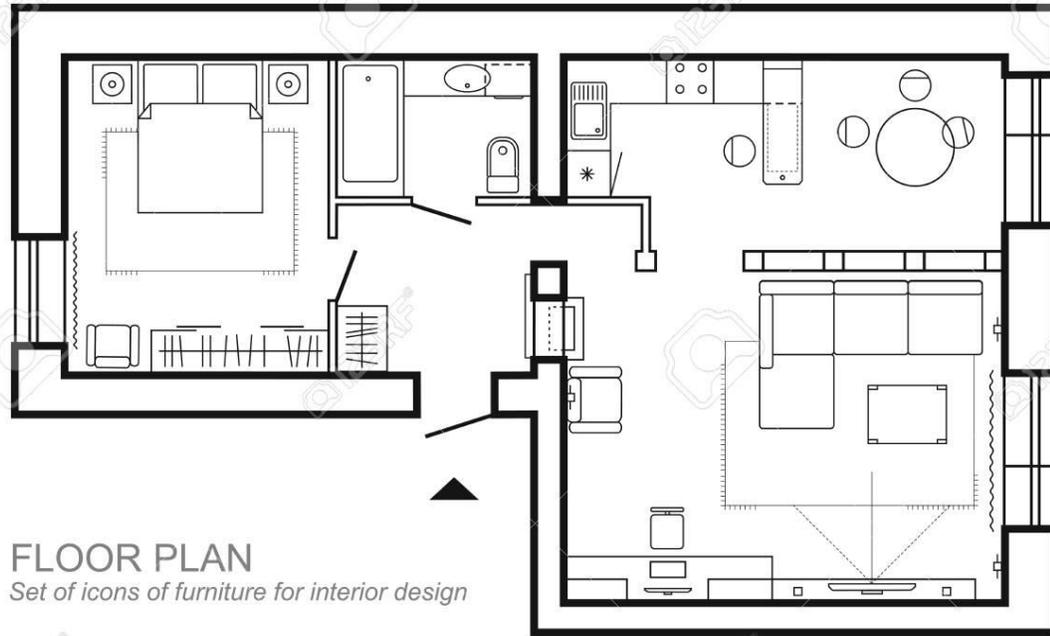
Terpisah secara fisik tapi tidak secara visual?

Terpisah secara visual tapi tidak secara fisik?

Terpisah secara fisik dan visual?



Perluah akses antar ruang satu dengan yang lain? Akses langsung atau tidak langsung?



# CRITERIA MATRIX

FOR:  
UNIVERSITY CAREER  
COUNSELING CENTER

	SQ FOOTAGE NEEDS	ADJACENCIES	PUBLIC ACCESS	DAYLIGHT AND/OR VIEW	PRIVACY	PLUMBING	SPECIAL EQUIPMENT	SPECIAL CONSIDERATIONS
① RECEPTION	250	② ③	H	Y	N	N	N	TRAFFIC HUB ADJ. TO MAIN ENTRANCE
② INTERVIEW STA. (4)	220	① ④	M	I	L	N	N	FEEL LIKE A TEAM OF FOUR
③ DIRECTOR	140	④	M	Y	H	N	N	HIGHEST IMAGE ACCESS TO REAR DR FOR PRIVATE EXIT
④ STAFF	180	③	M	Y	M	N	N	
⑤ SEMINAR RM	300	① ⑥ ⑦	H	I	H	N	Y	A/V USE IMPORTANT CLOSE TO ENTRANCE
⑥ REST ROOM (2)	200	↑ CENTRAL ↓	M	N	H	Y	N	
⑦ WORK AREA	120	② ④ CENTRAL	L	N	M	Y	Y	
⑧ COFFEE STATION	50	CENTRAL	H	Y	N	Y	Y	CONVENIENT FOR EVERYONE
⑨ GUEST APARTMENT	350	REMOTE	L	Y	H	Y	N	RESIDENTIAL CHARACTER

## LEGEND

H = HIGH  
M = MEDIUM  
L = LOW  
Y = YES  
N = NO/NONE  
I = IMPORTANT BUT  
NOT REQUIRED

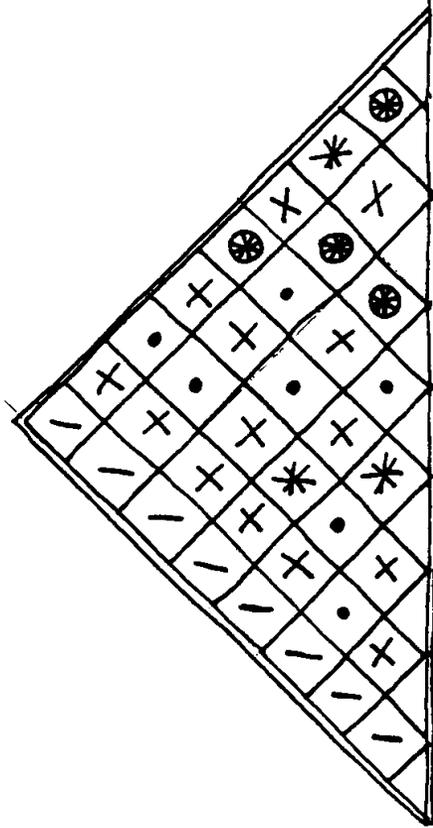
⊙ - IMMEDIATELY  
ADJACENT  
\* - IMPORTANT  
ADJACENCY  
X - REASONABLY  
CONVENIENT  
• - UNIMPORTANT  
- - REMOTE

TOTAL NEEDED = 1810 S.F.  
2500 SF - 625 SF = 1875 S.F.

TOTAL AVAILABLE = 2500 S.F.  
LESS 25% FOR CIRCULATION = 625 S.F.

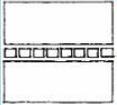
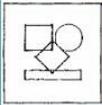
NOTE: IN "ADJACENCIES" COLUMN

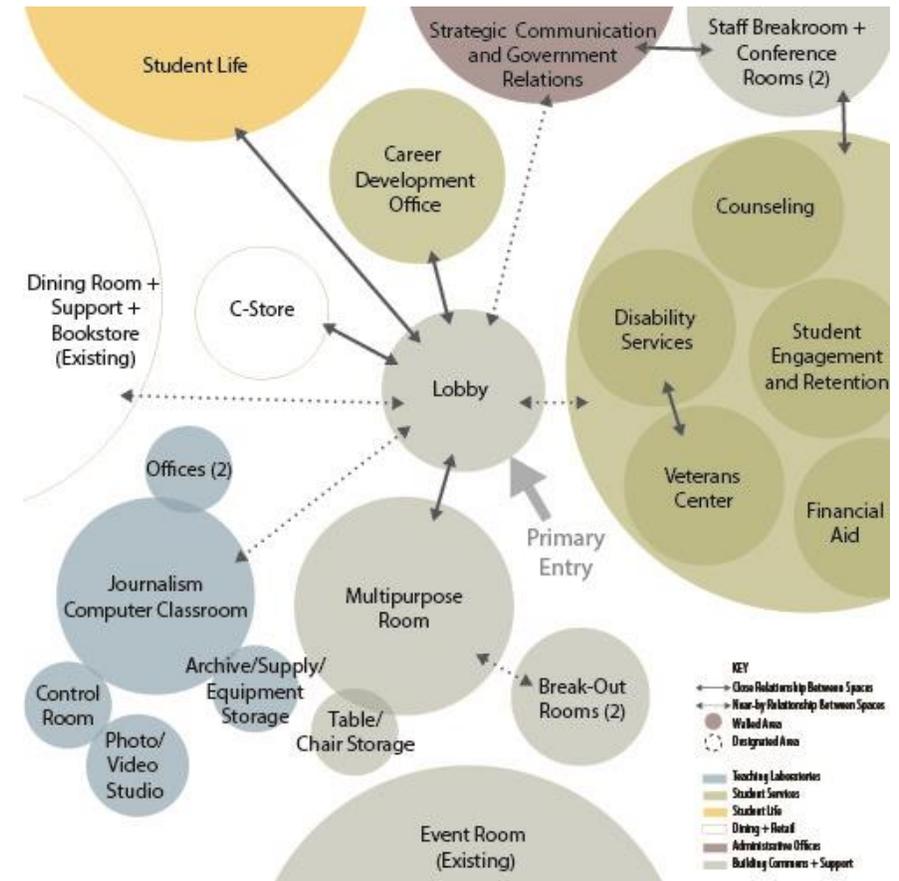
③ - INDICATES ADJACENCY IMPORTANCE  
② - INDICATES MAJOR ADJACENCY IMPORTANCE



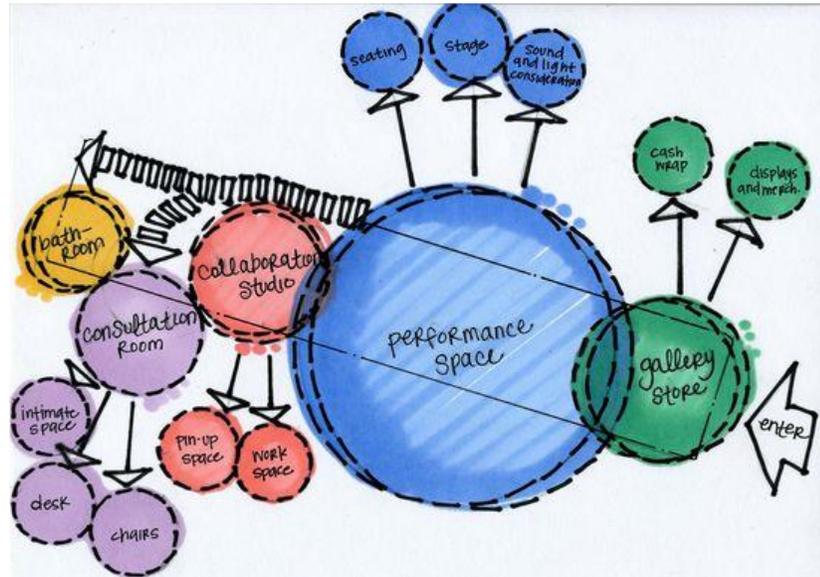
# Organisasi ruang



<p><b>Organisasi Terpusat</b></p> 	<p>Sebuah ruang dominan terpusat dengan pengelompokan sejumlah ruang sekunder.</p>
<p><b>Organisasi Linier</b></p> 	<p>Suatu urutan dalam satu garis dan ruang-ruang yang berulang</p>
<p><b>Organisasi Radial</b></p> 	<p>Sebuah ruang pusat yang menjadi acuan organisasi ruang-ruang linier yang berkembang menurut arah jari-jari.</p>
<p><b>Organisasi Cluster</b></p> 	<p>Kelompok ruang berdasarkan kedekatan hubungan atau bersama-sama memanfaatkan satu ciri atau hubungan visual.</p>
<p><b>Organisasi Grid</b></p> 	<p>Organisasi ruang-ruang dalam daerah struktural grid atau struktur tiga dimensi lain.</p>

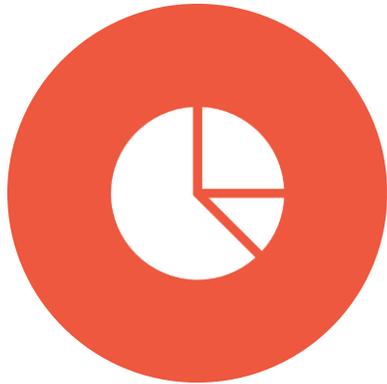


# Zonasi



# Terima kasih

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INTEGRITY



SINCERITY



ETHICS