LAMPIRAN

LAMPIRAN 1

PEMERIKSAAN KETIDAKBERATURAN HORIZONTAL STRUKTUR DAN SIMPANGAN ANTAR LANTAI TINGKAT

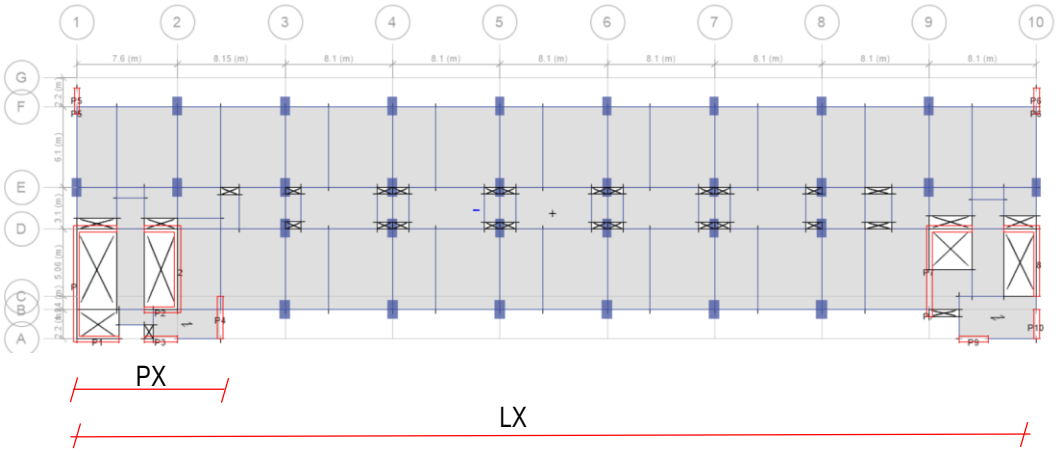
1. Ketidakberaturan Torsi

Tabel 1 Ketidakberaturan Torsi

Story	Load Case/Combo	Direction	Maximum	Average	Ratio	Keterangan	Amplifikasi Torsi
			mm	mm			Ax
Story12	EX	X	29.03	28.936	1.003	Tanpa Ketidakberaturan	1
Story11	EX	X	27.336	27.266	1.003	Tanpa Ketidakberaturan	1
Story10	EX	X	25.393	25.346	1.002	Tanpa Ketidakberaturan	1
Story9	EX	X	23.165	23.138	1.001	Tanpa Ketidakberaturan	1
Story8	EX	X	20.65	20.64	1	Tanpa Ketidakberaturan	1
Story7	EX	X	17.887	17.884	1	Tanpa Ketidakberaturan	1
Story6	EX	X	14.938	14.924	1.001	Tanpa Ketidakberaturan	1
Story5	EX	X	11.856	11.836	1.002	Tanpa Ketidakberaturan	1
Story4	EX	X	8.742	8.72	1.002	Tanpa Ketidakberaturan	1
Story3	EX	X	5.735	5.716	1.003	Tanpa Ketidakberaturan	1
Story2	EX	X	3.037	3.023	1.005	Tanpa Ketidakberaturan	1
Story1	EX	X	0.954	0.947	1.007	Tanpa Ketidakberaturan	1
Story12	EY	Y	27.597	22.366	1.234	Ketidakberaturan 1a	1.0572668
Story11	EY	Y	24.992	20.211	1.237	Ketidakberaturan 1a	1.0618519
Story10	EY	Y	22.296	17.987	1.24	Ketidakberaturan 1a	1.0670234
Story9	EY	Y	19.521	15.71	1.243	Ketidakberaturan 1a	1.0722332
Story8	EY	Y	16.692	13.4	1.246	Ketidakberaturan 1a	1.0775679
Story7	EY	Y	13.851	11.092	1.249	Ketidakberaturan 1a	1.0828793
Story6	EY	Y	11.052	8.83	1.252	Ketidakberaturan 1a	1.0879222
Story5	EY	Y	8.363	6.669	1.254	Ketidakberaturan 1a	1.0920443
Story4	EY	Y	5.866	4.671	1.256	Ketidakberaturan 1a	1.0952213
Story3	EY	Y	3.655	2.911	1.256	Ketidakberaturan 1a	1.0947825
Story2	EY	Y	1.842	1.473	1.251	Ketidakberaturan 1a	1.0859536
Story1	EY	Y	0.557	0.452	1.231	Ketidakberaturan 1a	1.0545594

Dari Tabel 1, gedung mengalami ketidakberaturan torsi pada arah sumbu Y dan tidak mengalami ketidakberaturan torsi pada arah sumbu X.

2. Ketidakberaturan Sudut Dalam



Gambar 1 Denah Gedung

(Sumber: ETABS)

$$PX < 0.15LX$$

$$10.84\ meter < 0.15\ (72.45)\ meter$$

$$10.84\ meter < 10.868\ meter$$

Karena PX<0.15LX, maka tidak ada ketidakberaturan sudut dalam.

3. Ketidakberaturan Diskontinuitas Diafragma

Berdasarkan Gambar 1, secara visual dapat dilihat bahwa lubang atau void tidak melebihi dari 50 persen luas lantai. Maka tidak ada ketidakberaturan diskontinuitas diafragma.

4. Ketidakberaturan Pergeseran Melintang Terhadap Bidang

Contoh gedung yang diteliti memiliki dimensi elemen struktur yang tipikal pada seluruh lantai dan tidak ada pergeseran melintang terhadap bidang.

5. Ketidakberaturan Sistem Non Paralel

Dari Gambar 1, dapat dilihat terdapat letak dan dimensi dinding geser yang tidak simetris dalam satu lantai. Maka gedung memiliki ketidakberaturan sistem non paralel.

6. Simpangan Antar Lantai

Tabel 2 Simpangan Antar Lantai

Story	Diaph	hsx	Simpangan Antar Lantai							
			δxe	δx	Δx	δye	δy	Δy	Δa	CEK
		(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	-
STORY12	D1	3.5	0.02893	0.15911	0.00916	0.027891	0.02232	0.00220	0.0538	OKE
STORY11	D1	3.5	0.02726	0.14995	0.01055	0.025819	0.02012	0.00222	0.0538	OKE
STORY10	D1	3.5	0.02534	0.13939	0.01214	0.023564	0.01791	0.00227	0.0538	OKE
STORY9	D1	3.5	0.02314	0.12725	0.01373	0.021158	0.01564	0.00230	0.0538	OKE
STORY8	D1	3.5	0.02064	0.11351	0.01515	0.018638	0.01334	0.00230	0.0538	OKE
STORY7	D1	3.5	0.01788	0.09836	0.01627	0.016037	0.01104	0.00225	0.0538	OKE
STORY6	D1	3.5	0.01493	0.08209	0.01698	0.013382	0.00879	0.00215	0.0538	OKE
STORY5	D1	3.5	0.01184	0.06510	0.01714	0.010709	0.00664	0.00199	0.0538	OKE
STORY4	D1	3.5	0.00872	0.04797	0.01652	0.008062	0.00465	0.00175	0.0538	OKE
STORY3	D1	3.5	0.00572	0.03144	0.01481	0.005502	0.00290	0.00143	0.0538	OKE
STORY2	D1	3.5	0.00302	0.01663	0.01142	0.003119	0.00147	0.00102	0.0538	OKE
STORY1	D1	3.5	0.00095	0.00521	0.00521	0.001098	0.00045	0.00045	0.0538	OKE

Dari Tabel 2, dapat dilihat bahwa struktur memenuhi syarat batas maksimum simpangan antar lantai.

LAMPIRAN 2

TABEL PERHITUNGAN MOMEN INERSIA POLAR

Tabel 1 Momen Inersia Arah Sumbu X Dengan Menggunakan *Modifier* 1

Letak	Dx*Yi^2											
	Story 12	Story 11	Story 10	Story 9	Story 8	Story 7	Story 6	Story 5	Story 4	Story 3	Story 2	Story 1
As B	733176360	804958471	753108327	752616559	754500581	757642494	762425331	771482512	790432440	833290945	938998449	1782085458
As D	13268384150	12488254860	12269450978	12207196316	12240294473	12274199982	12338975069	12437422252	12651592408	12993495735	14623116492	17089796847
As E	35260302164	32630639146	33020492650	33142834625	33422785099	33696818154	34013064124	34477675491	35158193725	36812324613	40226658131	64363261614
As F	55784463353	55940577073	54512623157	54997383738	55418956014	55850459214	56382352716	57159335762	58480635174	61492150111	67479846273	115620685545
P1	-1446197904	645669955	2905590330	4344398665	5255710481	5944036236	6641455368	7589574455	9120733595	11910970865	18356126002	44379515437
P2	221020433	4843235459	6708068310	7911923649	8817046450	9600425955	10381070651	11298771720	12604732275	14851655745	21028161470	52564000564
P3	0	0	0	0	0	0	0	0	0	0	0	0
P4	125972414	113046223	126413345	131097040	133873844	135848160	137462843	139225329	141869209	146712025	159304914	180133397
P5	2805932289	2432340493	2543439872	2569156384	2606590221	2638591737	2672464011	2712191366	2758865600	2870763436	2924347324	5273640936
P6	2775962042	2307609768	2456259139	2466876837	2489324856	2506679351	2526731392	2553365279	2588633893	2695197142	2803342473	5160609851
P7	-296942168	5521339506	8335603454	9912539459	11044964181	12055049476	13073006129	14258893751	15897613580	18877558528	25989900876	59319159770
P8	997960843	4624602542	7028063539	8366125735	9313057418	10117605915	10912453065	11801668085	12979823671	14911334034	19351737071	44854331524
P9	0	0	0	0	0	0	0	0	0	0	0	0
P10	1421330	5178231	8628876	10718238	12261115	13486725	14558649	15623287	16909404	18650755	23626881	36061369
Σ(Dx*Yi^2)	1.10E+11	1.22E+11	1.31E+11	1.37E+11	1.42E+11	1.46E+11	1.50E+11	1.55E+11	1.63E+11	1.78E+11	2.14E+11	4.11E+11
ΣDx*Ycr^2	9.17E+10	8.96E+10	9.45E+10	9.87E+10	1.02E+11	1.05E+11	1.08E+11	1.12E+11	1.18E+11	1.30E+11	1.57E+11	2.96E+11
Jx (kN*mm)	1.85E+10	3.27E+10	3.61E+10	3.81E+10	3.94E+10	4.05E+10	4.15E+10	4.29E+10	4.49E+10	4.89E+10	5.70E+10	1.15E+11

Tabel 2 Momen Inersia Arah Sumbu Y Dengan Menggunakan *Modifier* 1

As	Dy*Xi^2											
	Story 12	Story 11	Story 10	Story 9	Story 8	Story 7	Story 6	Story 5	Story 4	Story 3	Story 2	Story 1
As 1	13132527394	10563655577	10150210179	10371084046	10510463887	10653093787	10808191945	11004927963	11172824480	11306974771	12946670844	26017853765
As 2	28026667301	25265524285	24684044653	24991245921	25361534558	25811741748	26363299222	27099446304	28073695907	29760063532	36119906766	84315813464
As 3	51968156072	63289621400	63558164270	62921222482	63852021427	65687954670	68148021161	71365847429	75795047920	86578061409	1.10244E+11	2.81956E+11
As 4	79068701604	1.03963E+11	1.0261E+11	1.01017E+11	1.02377E+11	1.05417E+11	1.09492E+11	1.146E+11	1.22799E+11	1.36248E+11	2.07125E+11	1.18754E+11
As 5	1.11133E+11	1.55921E+11	1.50825E+11	1.47968E+11	1.49752E+11	1.54239E+11	1.60123E+11	1.67855E+11	1.79051E+11	2.06003E+11	2.58567E+11	6.68612E+11
As 6	1.54384E+11	2.12841E+11	2.07729E+11	2.03608E+11	2.06179E+11	2.12328E+11	2.20461E+11	2.31163E+11	2.47017E+11	2.81204E+11	3.64397E+11	8.91807E+11
As 7	2.09164E+11	2.75884E+11	2.72168E+11	2.67885E+11	2.7181E+11	2.79961E+11	2.90693E+11	3.04681E+11	3.25638E+11	3.68914E+11	4.86097E+11	1.14367E+12
As 8	2.75783E+11	3.39709E+11	3.3674E+11	3.36848E+11	3.42624E+11	3.52809E+11	3.66055E+11	3.84081E+11	4.09675E+11	4.64554E+11	6.19608E+11	1.40576E+12
As 9	3.00416E+11	2.6794E+11	2.68594E+11	2.76096E+11	2.82024E+11	2.882E+11	2.95786E+11	3.07046E+11	3.20095E+11	3.51095E+11	4.56137E+11	8.33286E+11
As 10	4.12692E+11	3.1995E+11	3.24473E+11	3.31432E+11	3.36711E+11	3.41839E+11	3.47737E+11	3.55394E+11	3.64755E+11	3.7582E+11	4.54776E+11	7.17445E+11
P1	11390189783	47750396708	88205614524	1.28079E+11	1.67155E+11	2.06867E+11	2.49861E+11	3.00782E+11	3.68232E+11	4.69635E+11	6.52244E+11	1.54781E+12
P2	-1552419684	68554467559	1.28253E+11	1.71495E+11	2.05284E+11	2.382E+11	2.77262E+11	3.30482E+11	4.1001E+11	5.4179E+11	7.92985E+11	1.71092E+12
P3	7653556751	5324649765	5950466761	6089437336	6341195700	6566298611	6785985963	7000377394	7185115784	7344710434	7320051146	10533132699
P4	-4149364270	9814087477	13977984786	14915748850	15941119494	17588790166	19852205804	22790581963	26419572777	32381862196	67012327275	3.71775E+11
P5	6657656952	6829279867	5989953445	6103200658	6309810064	6443529366	6603310768	6830651637	7031971748	6903898389	8477409008	50592612846
P6	2.24161E+11	2.18998E+11	1.99425E+11	2.07333E+11	2.14209E+11	2.18857E+11	2.24664E+11	2.33057E+11	2.43047E+11	2.50171E+11	2.9692E+11	1.61843E+12
P7	-4.18933E+11	2.77209E+11	9.26643E+11	1.37608E+12	1.71223E+12	2.02741E+12	2.40563E+12	2.93744E+12	3.778E+12	5.23675E+12	8.28946E+12	2.05609E+13
P8	1.89262E+11	9.57147E+11	1.5313E+12	2.01397E+12	2.43153E+12	2.83603E+12	3.28304E+12	3.83821E+12	4.60728E+12	5.83605E+12	8.52793E+12	1.84451E+13
P9	52383918110	35935148052	40730866847	41090827382	42290861239	43240523485	44282526587	45341681420	46675230868	47768790491	46327032385	1.03547E+11
P10	1.98623E+11	2.90785E+11	4.27842E+11	5.48302E+11	6.60561E+11	7.7054E+11	8.87771E+11	1.02335E+12	1.1952E+12	1.42556E+12	1.4786E+12	5.53305E+12
Σ(Dy*Xi^2)	1.90126E+12	3.69367E+12	5.12985E+12	6.2766E+12	7.25305E+12	8.20869E+12	9.30142E+12	1.07196E+13	1.27731E+13	1.61658E+13	2.31733E+13	5.61242E+13
ΣDy*Xi^2	1.44518E+12	2.71394E+12	3.64936E+12	4.36714E+12	4.9672E+12	5.55408E+12	6.235E+12	7.13481E+12	8.45968E+12	1.069E+13	1.53984E+13	3.73278E+13
Jy (kN*mm)	4.56079E+11	9.79736E+11	1.48049E+12	1.90946E+12	2.28585E+12	2.65461E+12	3.06642E+12	3.58476E+12	4.31347E+12	5.47583E+12	7.77486E+12	1.87964E+13

Tabel 3 Momen Inersia Arah Sumbu X Dengan Menggunakan *Modifier* 0.4

Letak	Dx*Yi^2											
	Story 12	Story 11	Story 10	Story 9	Story 8	Story 7	Story 6	Story 5	Story 4	Story 3	Story 2	Story 1
As B	704168423.8	813284119.3	764715450.3	754033593.4	754927506.5	758398947	763440366.5	772237347.9	790463532.8	828836402.5	936845482.8	1832290658
As D	12667804450	12760100786	12382393634	12253531583	12260324101	12300121030	12362945569	12455166178	12662668611	12977229844	14512367400	18001118516
As E	34129665945	33127216464	33250059391	33236110009	33476291405	33749233901	34058943044	34515246123	35168540818	36755910663	39970282536	66433969992
As F	53106140799	57051832187	55062190013	55045483728	55463204611	55914266432	56419582527	57180710482	58527161865	61159050977	67033621749	1.20209E+11
P1	-1300029438	636036605.8	2850348691	4300514569	5225980045	5928439008	6643416483	7600108285	9128162806	11904415224	18327662997	44459117498
P2	464224388.7	4732520385	6648099511	7879999909	8784454869	9578630840	10367939497	11288038125	12594726604	14841616572	21082003933	52618165961
P3	0	0	0	0	0	0	0	0	0	0	0	0
P4	125844721.3	113001280	126114275.1	130865768.6	133717623.3	135707680.2	137398031.4	139199298	141988793.7	146943426.8	159471519.8	179636334.2
P5	2742764246	2466189719	2551146614	2569138478	2606077042	2639666817	2673394153	2712407009	2758673351	2855488337	2907613615	5368505027
P6	2744651232	2324012563	2457376473	2468851655	2490851341	2507657674	2525656561	2551373150	2588338472	2694082638	2800962817	5210036046
P7	-68472828.21	5368999234	8308480225	9935990637	11056267245	12038043010	13029944469	14187925945	15822365135	18861667914	26043512740	59584030021
P8	1119862638	4538605288	6962505497	8357556807	9308511734	10108883808	10895170580	11774805061	12963774555	14922160095	19409901813	44840332856
P9	0	0	0	0	0	0	0	0	0	0	0	0
P10	1543319.593	5002588.235	8568707.706	10726630.76	12270951.73	13468693.82	14520500.64	15581193.96	16904982.01	18759757.42	24016232.02	35991613.13
Σ(Dx*Yi^2)	1.06438E+11	1.23937E+11	1.31372E+11	1.36943E+11	1.41573E+11	1.45673E+11	1.49892E+11	1.55193E+11	1.63164E+11	1.77966E+11	2.13208E+11	4.18773E+11
ΣDx*Ycr^2	87457652821	91040328944	95042746606	98798165118	1.02132E+11	1.05177E+11	1.08351E+11	1.12313E+11	1.18239E+11	1.29191E+11	1.56307E+11	3.01495E+11
Jx (kN*mm)	18980515076	32896472276	36329251876	38144638250	39440507589	40495074810	41541253170	42879672638	44924989875	48775168912	56901718770	1.17277E+11

Tabel 4 Momen Inersia Arah Sumbu Y Dengan Menggunakan *Modifier* 0.4

As	Dy*Xi^2											
	Story 12	Story 11	Story 10	Story 9	Story 8	Story 7	Story 6	Story 5	Story 4	Story 3	Story 2	Story 1
As 1	13018999840	10740078440	10157013263	10353430296	10499824276	10653253603	10814765063	10997084411	11125184836	11283778428	12976345854	26141137697
As 2	27736646651	25493803533	24739277797	25007936929	25364232651	25785983815	26347339346	27059921454	28038127321	29719754650	35925698729	85532835760
As 3	48700705891	63447168068	65055483333	63973553852	64069052082	65472835332	67784995180	71073866897	75918388175	87683589965	1.10711E+11	2.81488E+11
As 4	74090202015	1.03771E+11	1.05019E+11	1.0277E+11	1.02823E+11	1.05022E+11	1.08891E+11	1.14217E+11	1.23027E+11	1.37777E+11	2.08004E+11	1.17432E+11
As 5	1.03983E+11	1.55467E+11	1.54351E+11	1.50645E+11	1.50431E+11	1.53648E+11	1.59236E+11	1.6732E+11	1.79595E+11	2.07731E+11	2.60344E+11	6.70974E+11
As 6	1.44482E+11	2.12061E+11	2.12685E+11	2.07328E+11	2.07096E+11	2.11589E+11	2.19339E+11	2.30292E+11	2.47647E+11	2.83196E+11	3.67232E+11	8.9583E+11
As 7	1.95119E+11	2.75558E+11	2.79099E+11	2.72688E+11	2.7291E+11	2.7882E+11	2.89217E+11	3.03635E+11	3.26372E+11	3.71539E+11	4.88555E+11	1.15539E+12
As 8	2.56953E+11	3.41548E+11	3.45398E+11	3.4213E+11	3.43848E+11	3.51686E+11	3.64745E+11	3.82932E+11	4.10654E+11	4.68834E+11	6.22107E+11	1.42107E+12
As 9	2.99975E+11	2.68894E+11	2.68044E+11	2.75747E+11	2.81841E+11	2.88417E+11	2.96016E+11	3.07382E+11	3.20455E+11	3.54331E+11	4.54834E+11	8.13129E+11
As 10	4.09056E+11	3.25537E+11	3.23576E+11	3.30866E+11	3.36611E+11	3.41967E+11	3.48145E+11	3.55738E+11	3.63885E+11	3.7723E+11	4.53102E+11	7.21142E+11
P1	12304734068	49321035538	89292197423	1.2858E+11	1.66968E+11	2.06113E+11	2.48609E+11	2.98999E+11	3.66044E+11	4.66091E+11	6.47931E+11	1.55041E+12
P2	4022053529	67258882479	1.24982E+11	1.69759E+11	2.0523E+11	2.38768E+11	2.78251E+11	3.31449E+11	4.10595E+11	5.4056E+11	7.88372E+11	1.72147E+12
P3	7710954431	5333747898	5940396266	6082834432	6336538466	6560501838	6786673930	6997625122	7175851780	7339041648	7291690921	10563861002
P4	-4345526634	9135770020	14182589338	15380722998	16167071343	17592672801	19768070805	22630961176	26159165201	33198695304	70442095162	3.49325E+11
P5	6438984452	7023904691	6084032246	6063126934	6286305217	6447760452	6616104099	6820492576	6929018520	6800697054	9206720226	48233659056
P6	2.15394E+11	2.26006E+11	2.01666E+11	2.05733E+11	2.1378E+11	2.19198E+11	2.25373E+11	2.33419E+11	2.4129E+11	2.48334E+11	3.20501E+11	1.52374E+12
P7	-3.37704E+11	2.58994E+11	8.76335E+11	1.34127E+12	1.69896E+12	2.03155E+12	2.42084E+12	2.96237E+12	3.80749E+12	5.23163E+12	8.23019E+12	2.04213E+13
P8	1.91477E+11	9.47281E+11	1.51132E+12	1.99392E+12	2.42296E+12	2.83701E+12	3.29143E+12	3.84796E+12	4.60863E+12	5.82483E+12	8.55149E+12	1.85899E+13
P9	52380651791	36028257259	40677748407	41099749499	42340130922	43324350798	44417075964	45452140940	46845944060	47900700302	45406150209	1.06454E+11
P10	2.01312E+11	2.88304E+11	4.23331E+11	5.44367E+11	6.58325E+11	7.69861E+11	8.88434E+11	1.02444E+12	1.19626E+12	1.41982E+12	1.45438E+12	5.78253E+12
Σ(Dy*Xi^2)	1.92211E+12	3.6772E+12	5.08194E+12	6.23376E+12	7.23285E+12	8.20948E+12	9.32106E+12	1.07512E+13	1.28041E+13	1.61558E+13	2.3139E+13	5.62921E+13
ΣDy*Xi^2	1.44916E+12	2.69388E+12	3.61275E+12	4.33558E+12	4.95271E+12	5.55612E+12	6.25248E+12	7.16353E+12	8.49117E+12	1.06961E+13	1.5385E+13	3.7448E+13
Jy (kN*mm)	4.72946E+11	9.83328E+11	1.46918E+12	1.89817E+12	2.28014E+12	2.65336E+12	3.06858E+12	3.58766E+12	4.31296E+12	5.4597E+12	7.75398E+12	1.88441E+13

Tabel 5 Momen Inersia Arah Sumbu X Dengan Menggunakan *Modifier* 0

As	Dx*Yi^2											
	Story 12	Story 11	Story 10	Story 9	Story 8	Story 7	Story 6	Story 5	Story 4	Story 3	Story 2	Story 1
B	11725530623	13376722956	12758635165	12440605115	12394466175	12422827360	12477491599	12555220164	12746083022	13032314344	14449271982	20022567902
D	32705431552	34440989683	34063537239	33668208114	33777261966	34037213512	34321588070	34738191257	35373079757	36889227106	39717422607	70861842036
E	44838050537	55136307692	55806554480	55441009749	55359270234	55564614608	55925131483	56404380841	57200526294	59363515827	68481278037	1.31468E+11
F	-1068458487	673393434.8	2764782104	4221452757	5173765479	5903278454	6643089489	7615831778	9142137556	11915661250	18303085969	44556202361
P1	884620622.6	4640612207	6523166706	7788571100	8730719621	9540659164	10342655639	11277628629	12600741778	14871366744	21156254218	52793784612
P2	0	0	0	0	0	0	0	0	0	0	0	0
P3	126409299.1	112984126.1	125414564.9	130346479.4	133334403.5	135417992	137222648.9	139184823.5	142128681.6	147231285.4	159274338.8	178250690.3
P4	2320555272	2439503903	2578569267	2588496200	2606826988	2629477442	2654955153	2679661394	2707569667	2790603795	2960834396	5880403415
P5	2610003748	2343633328	2464753668	2475909294	2491830091	2504932220	2521222246	2543842402	2578852370	2678143201	2806876760	5377516236
P6	405023272.3	5239991310	8243833840	9945269132	11063963628	12007888129	12951273059	14078379667	15726376659	18832366341	25999271034	59548619195
P7	1233186280	4484476685	6838074562	8294476387	9279549964	10083832026	10872216710	11757393130	12959895366	14970783576	19489561387	44838257949
P8	0	0	0	0	0	0	0	0	0	0	0	0
P9	1943434.066	4926767.831	8517211.749	10769334.78	12324888.01	13484594.34	14503262.69	15573398.37	16971654.68	19002321.65	24565168.46	36169892.47
P10	0	0	0	0	0	0	0	0	0	0	0	0
Σ(Dx*Yi^2)	95782296153	1.22894E+11	1.32176E+11	1.37005E+11	1.41023E+11	1.44844E+11	1.48861E+11	1.53805E+11	1.61194E+11	1.7551E+11	2.13548E+11	4.35561E+11
ΣDx*Ycr^2	76864355490	91530837568	96444418255	99498907108	1.02382E+11	1.05228E+11	1.08248E+11	1.11961E+11	1.1753E+11	1.28226E+11	1.56863E+11	3.14212E+11
Jx (kN*mm)	18917940664	31362704526	35731420553	37506206553	38641407883	39615277675	40613115866	41844004656	43664263029	47284618274	56684687401	1.21349E+11

Tabel 6 Momen Inersia Arah Sumbu Y Dengan Menggunakan *Modifier* 0

As	Dy*Xi^2											
	Story 12	Story 11	Story 10	Story 9	Story 8	Story 7	Story 6	Story 5	Story 4	Story 3	Story 2	Story 1
As 1	12757059292	11036799523	10242245194	10340346728	10509826942	10684050840	10859228083	11029635571	11100278148	11324240106	13117207548	26176066763
As 2	28037409205	25430128882	24328310891	24798403582	25358396657	25880608817	26473393231	27199138115	28176311914	29556618065	35948209458	89517061066
As 3	41786580331	60190483510	67149676345	66962091943	65807769642	65515223653	66812927450	70118030014	76347161234	90855782319	1.15088E+11	2.93744E+11
As 4	62976854620	98364475207	1.07992E+11	1.0774E+11	1.05769E+11	1.05204E+11	1.07305E+11	1.12718E+11	1.23866E+11	1.42161E+11	2.16589E+11	1.31075E+11
As 5	87422036183	1.47547E+11	1.5871E+11	1.58119E+11	1.54868E+11	1.53884E+11	1.56968E+11	1.65158E+11	1.80619E+11	2.14033E+11	2.72861E+11	7.01512E+11
As 6	1.21059E+11	2.01138E+11	2.18855E+11	2.17801E+11	2.13356E+11	2.12006E+11	2.16124E+11	2.27253E+11	2.48982E+11	2.91473E+11	3.8432E+11	9.43529E+11
As 7	1.6148E+11	2.62101E+11	2.88296E+11	2.87023E+11	2.81152E+11	2.79373E+11	2.84752E+11	2.99329E+11	3.27923E+11	3.81954E+11	5.116E+11	1.22677E+12
As 8	2.06431E+11	3.28854E+11	3.62848E+11	3.6173E+11	3.54738E+11	3.52578E+11	3.59316E+11	3.78129E+11	4.13803E+11	4.82085E+11	6.50859E+11	1.54473E+12
As 9	3.168E+11	2.64286E+11	2.62415E+11	2.71873E+11	2.79686E+11	2.88119E+11	2.96868E+11	3.08442E+11	3.21486E+11	3.56872E+11	4.40513E+11	7.36224E+11
As 10	4.01556E+11	3.3691E+11	3.24274E+11	3.30776E+11	3.36213E+11	3.4225E+11	3.48655E+11	3.55496E+11	3.62323E+11	3.77113E+11	4.49121E+11	7.22984E+11
P1	9379269754	49593778484	90336726884	1.2946E+11	1.67625E+11	2.06423E+11	2.48706E+11	2.99593E+11	3.6703E+11	4.67003E+11	6.48563E+11	1.57046E+12
P2	15832323701	65557623941	1.16572E+11	1.62886E+11	2.03119E+11	2.41205E+11	2.83957E+11	3.3949E+11	4.20482E+11	5.50141E+11	7.98258E+11	1.76647E+12
P3	7765058854	5345316494	5957876452	6113991502	6366522374	6595372162	6823230974	7039841198	7231746831	7407138893	7307884417	10820458042
P4	-6770208621	8250607414	14350446085	16306617825	16885513576	17787483242	19536351532	22281828498	26241827285	35565366880	76106238488	3.42137E+11
P5	6018221141	7314194826	6316947968	6037860405	6242086272	6453876924	6639486278	6792096241	6778676629	6783630744	9905269295	46069896653
P6	2.03224E+11	2.35245E+11	2.08068E+11	2.05031E+11	2.12507E+11	2.19338E+11	2.25938E+11	2.3263E+11	2.37798E+11	2.46661E+11	3.39906E+11	1.41862E+12
P7	-73013836386	3.5782E+11	8.18856E+11	1.24552E+12	1.63559E+12	2.01573E+12	2.4423E+12	2.98715E+12	3.78951E+12	5.1138E+12	7.91035E+12	1.95004E+13
P8	2.27569E+11	1.00835E+12	1.54427E+12	1.99589E+12	2.40986E+12	2.82219E+12	3.27174E+12	3.81204E+12	4.54563E+12	5.71517E+12	8.44164E+12	1.84618E+13
P9	52933270731	36604273729	40716152896	41191455991	42337446924	43403540193	44497095849	45522924730	46921159475	47774133789	43380849366	1.14062E+11
P10	2.19647E+11	2.9803E+11	4.29841E+11	5.46361E+11	6.55754E+11	7.65642E+11	8.81672E+11	1.01377E+12	1.18283E+12	1.3928E+12	1.40494E+12	6.02265E+12
Σ(Dy*Xi^2)	2.10289E+12	3.80797E+12	5.10039E+12	6.19196E+12	7.18374E+12	8.18026E+12	9.30594E+12	1.07212E+13	1.27251E+13	1.59605E+13	2.27704E+13	5.56697E+13
ΣDy*Xi^2	1.59036E+12	2.79177E+12	3.63354E+12	4.31129E+12	4.91741E+12	5.53061E+12	6.23445E+12	7.13207E+12	8.42392E+12	1.05443E+13	1.50985E+13	3.68947E+13
Jy (kN*mm)	5.12525E+11	1.0162E+12	1.46686E+12	1.88066E+12	2.26634E+12	2.64965E+12	3.07149E+12	3.5891E+12	4.30116E+12	5.41626E+12	7.67191E+12	1.8775E+13