



PENGAJARAN & PEMBELAJARAN RMK9 UNTUK RMK10

ANALISA HASIL PENEMUAN KEGAGALAN DAN
KECACATAN DALAM PERLAKSANAAN PROJEK RMK9

IBU PEJABAT
JABATAN KERJA RAYA
MALAYSIA





OBJEKTIF SEMINAR

- ☐ Mengenalpasti kelemahan dalam pelaksanaan projek pada RMK-9 daripada aspek kualiti pembinaan dan sistem penyampaian projek.
- ☐ Mencadangkan penambahbaikan dalam pelaksanaan projek RMK-10 melalui perancangan serta rekabentuk yang kreatif dan inovatif berasaskan pengajaran dan pembelajaran.
- ☐ Untuk melaksanakan pengurusan aset yang mapan dan mempunyai nilai untuk wang.



MASALAH DARIPADA RMK 9

- **Kelewatan menerima senarai projek.**
 - Tempoh merekabentuk yang singkat
 - Menggunakan lukisan piawai
- **Brief projek yang tidak lengkap**
 - Tiada siling peruntukan
- **Tapak projek / tanah belum tersedia.**
- **Penyiasatan tanah yang tidak dilakukan dengan sempurna.**
- **Penstrukturan semula JKR**
 - Peralihan kepada *Matrix System*



KES-KES KEGAGALAN DARI RMK 9



Tiga batang prategasan putus secara tiba-tiba di rasuk jejambat

MRR2 retak lagi

Dua SAIFUL HAZAN HASAN
dan RUTH KIRWAN DULACKY

KUALA LUMPUR 21 Jan - Tiga batang prategasan (PRG) di atas jambatan MRR2 di sini yang dibina dengan kos RM2.8 juta dan telah pun dilulus penuh menggunakan helang tambahan RM70 juta mengalami keretakan sekali lagi.

Fag ini beberapa pemadid melaporkan mereka terkejut ketika itu melihat dari atas tali auto masuk jambatan itu dekat Rantau Kerting.

Sekitar pertengahan, keretakan dibina pada salah satu tiang jambatan itu. Tiga daripada 10 batang corbat fiber reinforced plastic (FRP) prategasan yang dipasang pada struktur itu didapati putus secara tiba-tiba.

Menteri Kerja Raya, Datuk Seri Mohd. Zin Mohamed berkata, UPRF bersedia dengan dan pada masi 31 batang tiang jambatan berkesan untuk beroperasi dan tidak terganggu kerana keretakan yang pernah berlaku sebelum ini.

Berbagai langkah pembaikan selepas kejadian keretakan itu, telah dijalankan. Tiga batang FRP pada jambatan MRR2 sudah selesai dan kerana kajian Jabatan Kerja Raya (JKR) mendapati jambatan minimum 4 dipulihkan dalam 13 bulan.

Selaras dengan itu, katanya, hai dua-dua buah jambatan sepanjang 1.7 km dan 1.1 km akan dipulihkan dan akan beroperasi pada 10-20 Jan.

Ragunannya, sebagai langkah berjaga-jaga, satu lorong paling leri di setiap jambatan akan ditutup lagi berikutan kejadian ini.

Pembaikan ini adalah sebagai langkah berjaga-jaga dan akan selesai dalam tempoh tiga minggu.

Selanjutnya 130,000 kenderaan



6C

Setempat

HARIAN METRO, RABU, 25 JANUARI 2006

MRR2 RUNTUH BILA-BILA MASA?

ProWaris
desak dedah
laporan penuh
hasil kajian

Oleh Mohamad Hussin

mohamad@hmetro.com.my

KUALA LUMPUR: Lebuhraya Lingkaran Tengah Dua (MRR2) dekat Kepong, di sini, boleh runtuh bila-bila masa kerana kegagalan pihak berkuasa membaiki keretakan strukturnya dengan segera.

Sehubungan itu, Pertubuhan Profesional dan Pewaris Bangsa (ProWaris) mendesak Menteri Kerja Raya, Datuk Seri S. Samy Vellu supaya mendedahkan laporan penuh hasil kajian secepat mungkin bagi mengelakkan kekeliruan berhubung tahap keselamatan jambatan itu.

Presiden ProWaris, Feriz Omar, berkata pihaknya meminta syarikat Halcrow Group Limited, kumpulan pakar perunding dari United Kingdom yang dilantik kerajaan bagi mengkaji kedudukan jambatan supaya mendedahkan perkara sebenar.

Menurutnya, Kementerian Kerja Raya sebagai badan berwajib yang mewakili Kerajaan Malaysia harus bertanggung jawab mengumumkan laporan itu kerana memabikan keselamatan serta

nyawa pengguna MRR2.

"Kenapa perlu merahsiakan kepada rakyat mengenai hasil kajian yang dilakukan syarikat perunding ini, kami bimbang sekiranya kerajaan melengahkan keputusan ini pasti ramai nyawa pengguna lebuhraya bakal terancam."

"Kami ada membuat kajian selidik iaitu lebih 3,400 nyawa akan terancam sekiranya struktur jambatan MRR2 runtuh secara berperingkat. Ini tidak termasuk jumlah pengguna pada waktu puncak, terutama sebelum dan selepas waktu pejabat atau musim perayaan," katanya pada sidang media mengenai keretakan jambatan MRR2 di sini, semalam.

Turut hadir Timbalan Presiden ProWaris Jauhari Ismail dan Penasihat Bidang Kejuruteraan ProWaris, Zulkifli Ahmad.

Bellau berkata, angka kemalangan itu diambil bagi mereka yang menggunakan kereta dengan muatan lima orang setiap satu kereta tidak termasuk pengguna dibawahi jambatan berkenaan serta perkhidmatan awam.

"Sekiranya berlaku tragedi ini kerajaan akan mengalami



TEGAS...Feriz menunjukkan memorandum yang akan dikemukakan kepada Perdana Menteri dalam sidang akhbar mengenai keretakan Lebuhraya MRR2, semalam.
- Gambar ZULKARNAIN AHMAD TAJUDDIN

kerugian berjuta ringgit, aktiviti ekonomi terjejas, pendapatan keluarga mangsa berbulan-bulan terhenti, gangguan kos mangsa-mangsa yang cedera dan kehilangan kerana pendapatan keluarga sekiranya terdapat kematian akibat kemalangan ini."

Pada 17 Januari lalu akhbar

melaporkan kenyataan Menteri Kerja Raya, Datuk Seri S. Samy Vellu, mengenai laporan kononnya jambatan MRR2 di Kepong tidak selamat dan akan runtuh kerana kerja pembaikan tidak dilakukan segera.

Laluan enam lorong sejauh 1.7 kilometer itu diarah tutup pada 8 Ogos 2004 untuk siasa-

tan dan kerja baik pulih selepas 31 daripada 33 tiangnya retak dan empat lorong laluan itu dibuka pada 12 November 2004.

Feriz berkata, cadangan kerajaan yang akan mengambil tindakan melalui pendekatan kalis air adalah berbentuk sementara dan tidak berupaya menyelesaikan

kan isu keretakan MRR2 secara keseluruhan. "Berdasarkan penganalisan kami, pembaikan kalis air hanya akan menghalang masuknya air yang baru ke dalam struktur tiang itu dan tidak dapat mengatasi isu air yang sudah meresap ke dalam struktur konkrit tiang berkenaan," katanya.

Harian Metro
(Rabu 25 Jan 2006)



STAR 12 APRIL 2007

FIRTS PAGE

Burst pride

Leaking pipe brings RM200m Immigration headquarters to a halt

»This is an embarrassment to the Government. This was a problem waiting to happen«



ABDUL RAHIM AHMAD
PUTRAJAYA PUBLIC WORKS DEPARTMENT DIRECTOR

>N4

Part-time judges to be appointed soon

By CHELSEA L.Y. NG
chelsea@thestar.com.my

PUTRAJAYA: A move to appoint part-time judges from various sectors of the legal profession is under way with the initial step of engaging more probationary judges called judicial commissioners (JCs).

Chief Justice Tun Ahmad Fairuz Sheikh Abdul Halim said the plan would be modelled after the British system where legally qualified people such as lawyers would be paid to be judges on a flexible basis.

He said the move would go

into full swing as soon as the Constitution and relevant laws were amended.

"In the meantime, 16 more JC positions will be filled very soon because at the moment, the Constitution allows us to appoint JCs," Ahmad Fairuz said during the elevation ceremony of eight JCs to High Court judges yesterday.

Article 122B of the Federal Constitution empowers the King, on the Prime Minister's advice upon consultation with the Chief Justice, to appoint a JC for a particular period.

»TURN TO PAGE 6



Pouring in Putrajaya ... water falling from the ceiling at the fifth floor of the Immigration Department headquarters. The massive pipe leak on the seventh floor caused the department's services to be suspended. — DARRAN TAN/The Star

Star 12 April 2007
Kegagalan
kefungsian
bangunan di
Putrajaya

Hospital under fungus attack again

■ By Sim Bak Heng
news@nst.com

JOHOR BARU: Sultan Ismail Hospital, infamous for the fact that its opening was delayed by a fungus attack, appears to have been infected again.

A source has revealed that the fungus, said to be of the aspergillus variety, had been spreading over the past few months.

It said the most obvious sign of the fungus was in the hospital's canteen on the lower ground floor.

"Just look at the wall and you will know what I mean. I am worried the spores of the fungus will be carried to the wards or operation theatres by either visitors or medical staff."

To check the authenticity of the claim, the NST visited the hospital recently and found the canteen walls infected with what looked like fungus.

Further checks at the visitor centres for both men and women, also at the same level, showed large patches of the fungus scattered in the rooms.

At the women's visitor centre, some of the ceiling panels were missing while others had the greyish-coloured fungus, while at the men's visitor centre, all ceiling panels were missing, with only the aluminium frame left.

There were also signs of water leakage there; and the lights in the centre were also not functioning, nor were those in the toi-

lets and prayer room.

When informed about the infection, state Women and Family Development, Welfare and Health Committee chairman Dr Robia Kosai said she would check on the matter.

According to a website on aspergillus, the spores of the fungus are present in the air, but do not normally cause illness. However, a person with a weakened immune system may be susceptible to aspergillus infection.

Sources of increased risk of fungus attack include dirty air-conditioning units, compost heaps and damp or flood damaged premises, all of which can yield higher numbers of aspergillus spores.

The hospital that cost RM537.8 million initially started operating in July 2004, with the opening of the outpatient department and its haemodialysis centre.

Two months later, it was ordered closed as the infection of the aspergillus and penicillium fungi had spread throughout the hospital, contaminating the equipment within.

It only reopened 17 months later in February 2006.

Among the factors that may cause the infection were faulty air-conditioning system and the existence of an open-air garden.

The hospital, the second largest in Johor after Sultanah Aminah Hospital, has been plagued with problems since construction began in 1999.



Patches of fungus infection detected at the ceiling of the women's visitor centre at Sultan Ismail Hospital in Johor Baru. (Inset) The hospital's canteen walls are also affected by fungus.

NST 11 Nov 2008
Fungus attack
memberi kesan
kesihatan di
hospital

Berita Minggu 13 April 2008

Ahad Nasional

Bumbung dewan sekolah runtuh



BERTABURAN: Keadaan bereselerakan di Dewan Besar SMK Wakaf Tapai selepas bumbung runtuh, semalam.

Oleh Hanneeyzah Bariah Baharin

MARANG: Bumbung Dewan Besar Sekolah Menengah Kebangsaan (SMK) Wakaf Tapai di sini yang dibina dua tahun lalu runtuh ti-

mula dibuka pada 2006. Berikutan kejadian itu, Izanli memarahkan pegawai pembangunan Kementerian itu bekerjasama dengan Jawatankuasa Kerja Raya (JKR) daerah menyiasat punca kejadian dan memantau struktur bangunan lain sekolah berkenaan.



Kontraktor akui kekuda tidak kukuh

DARI MUKA 1

menggunakan struktur sama di-
semak, diteliti dan dibuat penges-
naan awal supaya kejadian sama
tidak berulang," katanya yang me-
lawat tempat kejadian semalam.

Beliau berkata, kontraktor perlu
melihat semula sama ada pem-
binaan dewan besar sekolah ber-
nilai RM2 juta itu menepati spe-
sifikasi ditetapkan dan pihak ter-
babit perlu bertanggungjawab
sepenuhnya apatah lagi sekolah
yang digunakan tiga tahun lalu itu
sudah beberapa kali menjalani
proses baik pulih akibat kerosakan
kecil.

"Saya dimaklumkan pengetua
bahawa sejak dibuka, beberapa
laporan mengenai kerosakan kecil
struktur bangunan sekolah ini su-
dah dibuat kepada Jabatan Pe-
lajaran. Saya juga difahamkan pe-
maju sudah mengambil tindakan
membaik pulih mana-mana kero-
sakan seperti keretakan.

"Kejadian ini (bumbung runtuh)
kita tidak nampak dan tidak jangka
kerana ia berada di atas. Apa yang
penting ialah aspek penyelengga-
ran bangunan itu harus sentiasa
dilakukan pihak jabatan dan ba-
hagian pembangunan kementerian.
Ini penting untuk pastikan ke-
selamatan apatah lagi kita sendiri
mengamalkan konsep sekolah se-
lamat," katanya.

Sementara itu, kontraktor Sya-
rikat Yusoff Yusoff Sdn Bhd yang
bertanggungjawab dalam pem-
binaan sekolah berkenaan, Ha-
zian Hashim berkata, daripada
siasatan awal pihaknya menda-
patkan sistem kedua sendi bangun-
an itu yang kerja pembinaannya

KOSMO 14 JUN 2007

New Straits Times 11 August 2008

Roof of school building collapses

By Mohammad Shahid Dar

streets@nstp.com.my

SUBANG JAYA: Luckily, it
happened after school hours.

The roof of a building at SMK Subang Utama, which was under construction, collapsed. Fortunately no injuries were reported.

The incident happened between 1am and 2am last Friday.

The residents said they heard a sound like a bomb blast when the building col-



NEGARA

a collapsed roof at SMK Subang Utama.

Bumbung makmal komputer runtuh tiba-tiba

IPOH - Gara-gara pembinaan besi
kekuda sokongan tidak kukuh dan
tidak mengikut spesifikasi, kira-ki-
ra 50 peratus bumbung makmal
komputer Sekolah Kebangsaan
(SK) Pos Raya, Kampung Kepa-
yang, Simpang Pulai dekat sini ti-
ba-tiba runtuh semalam.

Dalam kejadian pukul 10 pagi itu,
bumbung genting makmal kompu-
ter berkenaan yang 80 peratus
hampir siap runtuh dipercayai ke-
rana besi kekuda yang menam-
pungnya tidak mampu menahan
berat bahagian bumbung bang-
unan berkenaan.

Seorang saksi yang mahu di-
kenali sebagai Semoi berkata, bum-
bung terbabat runtuh dan bertaba-
ran di tanah ketika salah seorang
pekerja pembinaan tersebut se-
dang melakukan kerja-kerja pema-
ngsan di bahagian tepi bangunan
berkenaan.

"Nasib baik pekerja itu selamat
dan tiada siapa yang tercedera
dalam kejadian itu," katanya ke-
pada KOSMO! semalam.

Makmal komputer yang mula di-
bina pada akhir tahun lalu dijangka

siap sepenuhnya pada 6 September
ini.

Ia bakal digunakan oleh kira-kira
260 pelajar Orang Asli di sekitar
Simpang Pulai.

Difahamkan, projek berkenaan
dibina oleh sebuah syarikat kon-
traktor yang dilantik oleh Jabatan
Kerja Raya (JKR) Kinta.

Tinjauan KOSMO! mendapati,
walaupun sebahagian besar bum-
bung makmal komputer itu sudah
runtuh, kerja-kerja pembinaan ba-
ngunan itu masih diteruskan de-
ngan beberapa pekerja kontraktor
berkenaan dilihat masih bekerja
memasang wayar elektrik di situ.

Sementara itu, beberapa ibu ba-
pa pelajar Orang Asli berkenaan
yang enggan dikenali meminta su-
paya Kementerian Pelajaran me-
lakukan siasatan menyeluruh agar
kejadian yang sama tidak ber-
ulang.

Mereka juga berharap pihak be-
nakan mengambil tindakan serius
bagi memastikan bangunan mak-
mal komputer itu benar-benar se-
lamat untuk penggunaan pelajar
setelah ia siap sepenuhnya kelak.



SEBAHAGIAN bumbung makmal komputer SK Pos Raya, Kampung Kepayang, Simpang Pulai yang runtuh semalam.

**Kejadian berulang
pada tahun 2008
bumbung sekolah
runtuh**



N6

NATION

THE STAR, TUESDAY 30 MARCH 2010

Man killed in varsity disaster

Five others injured when concrete blocks crumble on them

By R.S.N. MURALI
and RICHARD LIM

newsdesk@thestar.com.my

KUALA TERENGGANU: An unidentified Bangladeshi worker was crushed to death and five others injured when a pile of concrete blocks crumbled at the Oceanographic and Tropical Aquaculture building at Universiti Malaysia Terengganu (UMT), in Gong Badak, here.

The four-storey building, on which construction started in December 2008, is almost 75% complete.

The 5.20pm incident occurred when dozens of concrete beams holding up the cement flooring on the fourth floor weakened.

A chunk of concrete crashed to the floor below where eight of the foreigners, all Bangladeshi, were working.

The other two workers escaped unscathed.

An eyewitness, Sharif Embage Dollah, 32, said workers were busy installing a water tank at the top of the building when the incident occurred.

Sharif said he scurried out to safer ground on hearing a thunderous sound at the work site.

"Unfortunately, my colleagues were not so lucky," he added.

State Fire and Rescue Department director Pauzan Ahmad said his officers received a distress call around 5.25pm,

and five engines with 40 men rushed to the scene.

He said rescuers took about 50 minutes to extricate workers trapped under piles of concrete, and the injured were rushed to Sultanah Nur Zahirah Hospital here.

He said the victim was believed to have died on the spot from the impact of the beams.

Mentri Besar Datuk Ahmad Said, who rushed to the site after hearing of the incident, blamed negligence as the cause and said safety measures were not prioritised at the site.

He later visited the hospital to meet the injured.

UMT deputy vice-chancellor (student affairs) Prof Dr Yahaya Ibrahim said the tragedy was a result of weak scaffolding.

"From what we know, there is nothing wrong with the structure of the building," he said in a telephone interview.

Dr Yahaya added that a post-mortem would be conducted and construction halted for the time being.

Meanwhile, Higher Education Minister Datuk Seri Mohamed Khaled Nordin expressed regret over the tragedy and hoped the Public Works Department, which was handling the project, would conduct a thorough investigation.

UMT vice-chancellor Prof Dr Aziz Deraman, currently in Canada, said he had asked for constant updates.

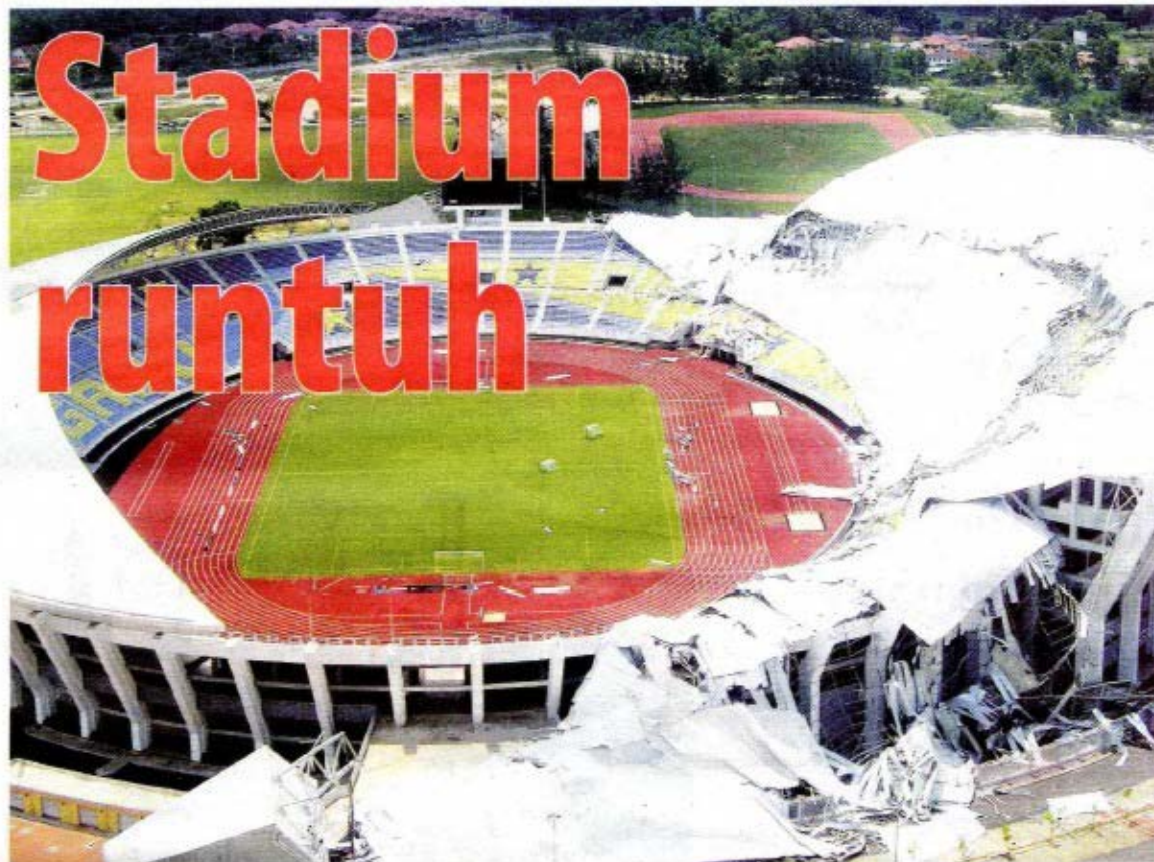


Tragic accident: Firemen using a crane to lift the concrete blocks. A Bangladeshi worker was buried beneath the rubble at a UMT building in Kuala Terengganu yesterday.

Kejadian yang melibatkan kehilangan nyawa



BERITA HARIAN 3 JUN 2009



TINJAUAN udara menunjukkan runtuh sebahagian bumbung Stadium Sultan Mizan Zainal Abidin di Kompleks Sukan Gong Badak, Kuala Terengganu, semalam.

Bumbung tempat duduk utama termasuk Pentas Diraja ranap

KUALA TERENGGANU: Sebahagian bumbung Stadium Sultan Mizan Zainal Abidin di Kompleks Sukan Gong Badak di sini, runtuh semalam menyebabkan timbul pelbagai persoalan kerana stadium bernilai RM292 juta itu baru setahun digunakan.

Dalam kejadian jam 9.30 pagi itu, struktur bahagian bumbung di tempat duduk utama termasuk Pentas Diraja ranap dan menimpa sebuah kereta, tiga motosikal serta sebuah jentera berat yang terletak berhampiran kawasan itu, tetapi tiada kemalangan jiwa dilaporkan.

Timbalan Perdana Menteri, Tan Sri

Muhyiddin Yassin, ketika mengulas kejadian itu, mengarahkan kerajaan Terengganu melakukan siasatan segera kerana ia tidak sepatutnya berlaku berikutan stadium itu baru disiapkan dan digunakan pada Sukan Malaysia (Sukma), tahun lalu.

"Hal-hal sebegini yang menyebabkan kita tidak berpuas hati... adakah kejadian itu kerana kontraktor, perunding yang tidak melakukannya dengan betul atau pihak yang mengesahkan kerja akhir tidak membuatnya secara teratur.

LIHAT MUKA 7

● Lagi berita serta gambar di muka 6 dan 7

INFO

Stadium Sultan Mizan Zainal Abidin

- Dibina Mei 2006; siap 2008
- Kos RM292 juta
- Sebahagian daripada Kompleks Sukan Gong Badak bernilai RM500 juta
- Kapasiti 50,000 orang
- Mempunyai prasarana sukan bowling dan skuasy
- Dimajukan beberapa kontraktor tempatan; kerja pemasangan bumbung dilakukan syarikat Korea Selatan

Berita Harian 3 Jun 2009
 Kegagalan bumbung Stadium di Kuala Terengganu pada ketika yang sama Mesyuarat Pegawai Kanan JKR di Kuantan, Pahang



KES-KES KEGAGALAN

4 PRIME NEWS

NEW STRAITS TIMES 24 MAY 2007

Pipe bursts at Jalan Duta court complex

By A. Hafiz Yatim and V. Shuman
news@nst.com.my

KUALA LUMPUR: When it rains, it pours. After episodes of falling ceiling boards, cracks on the wall, malfunctioning air-conditioning system and a power outage, the Jalan Duta court complex was hit with another mishap yesterday. A burst pipe in the cafeteria at 9am saw the place flooded ankle-deep with water. The



BERITA HARIAN 24 MEI 2007

Mahkamah KL bocor lagi



MASALAH BERULANG: Kompleks Mahkamah Kuala Lumpur di Jalan Duta.

FAKTA NOMBOR

Kompleks Mahkamah KL

30

Bilik Mahkamah Tinggi

21

Bilik Mahkamah Sesyen

26

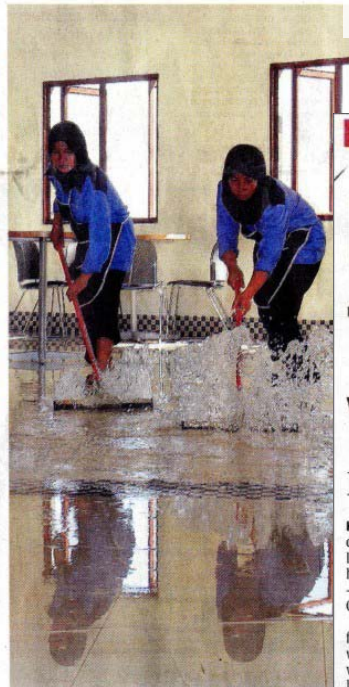
Bilik Mahkamah Majistret bagi kes sivil dan jenayah

Oleh Ahmad Johari Mohd Ali

KUALA LUMPUR: Kompleks Mahkamah Kuala Lumpur di Jalan Duta yang silangin runtuh dan dinding retak selepas beroperasi tiga minggu lalu, semalam mengalami kebocoran paip pula hingga kafeteria di bangunan ditegungi air. Kejadian jam 9 pagi itu menyebabkan orang ramai, termasuk peguam dan kakitangan mahkamah yang sedang bersarapan di kafeteria terletak di tingkat bawah bangunan itu, terpaksa beralih tempat apabila air mengalir ke kafeteria. Satu bunyi yang kuat dikatakan kedengaran sebelum air melimpahi kafeteria yang

boleh memuatkan 450 orang itu. Ekoran kejadian itu, sepasukan pegawai Jabatan Kerja Raya (JKR) dan wakil kontraktor bergesah ke kompleks berkenaan untuk membaiki kebocoran itu. Ketua Pengarah JKR, Datuk Ir Dr Judin Abdul Karim, turut meninjau tempat kejadian selama hampir setengah jam. JKR dalam kenyataan diutarakan Dr Judin, menjelaskan kebocoran itu berpunca daripada penutup sambungan paip pecah dan kerosakan dapat dibaiki dalam masa 10 minit.

"Penutup paip itu ditukar kepada bahan spesifikasi asal. Ini berikutan penutup bujur paip pecah itu diperbuat daripada bahan unplasticised polyvinyl chloride (UPVC), berbeza daripada bahan pada sambungan paip yang menggunakan bahan



MACAM BANJIR: Dua pekerja membersihkan lantai kafeteria di Kompleks Mahkamah Kuala Lumpur akibat paip pecah, semalam.

LIHAT MUKA 2

Siri kegagalan kefungsi bangunan di Mahkamah Jalan Duta Kuala Lumpur:

- NST 24 Mei 2007
- 24 Jun 2010.. Kegagalan paip air flush valve system
- 13 Sep 2010...Kegagalan RWDP

NIO NATION THE STAR, TUESDAY 14 SEPTEMBER 2010

KL Court faces water woes again

Leakage floods part of fifth floor

KUALA LUMPUR: Water leakage caused some parts of the Kuala Lumpur Court Complex at Jalan Duta here to be immersed in water again - this time at the Criminal High Court 2 on the fifth floor.

Reporters found a section on the fifth floor corridor in about 5cm of water yesterday morning. Water was also seen leaking from a small hole in the courtroom wall. According to cleaner Ayu Mina, 22, the area was flooded when she turned up for work at 6am and she and her eight colleagues had been cleaning up since then.

Another cleaner, who only wanted to be identified as Karomah, 25, said the leakage was quite bad as the area was usually not affected. Court officials declined to comment.

The three-year-old RM290mil court complex had been plagued by other problems recently.

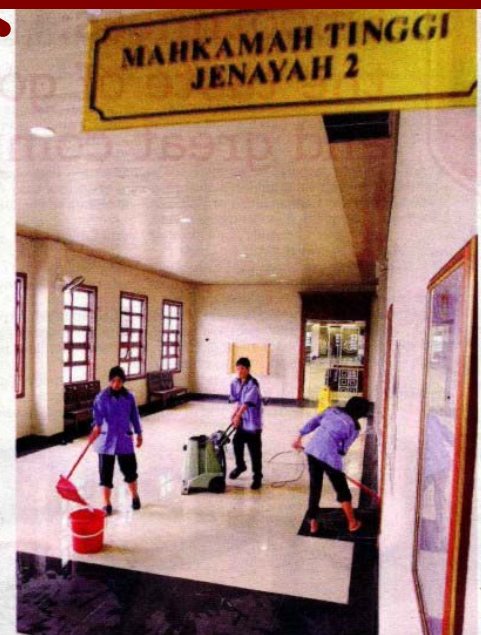
On June 24, a portion of the ceiling collapsed in the cafeteria located at the basement floor due to a burst pipe.

On May 24, 2007, a faulty pipe burst left the cafeteria floor flooded in about 7cm of water.

Problems started on April 30, 2007, just before the official opening on May 3, when two ceiling panels collapsed together with some lights.

Less than a week later, cracks measuring at least 3m wide began appearing outside magistrate's court 4.

On May 7, 2007, the air-conditioning in one of the High Courts malfunctioned while on May 9, the complex experienced a blackout.



Slippery task: Cleaners mopping the wet floor on the fifth floor of the Court Complex yesterday.



6

theSun | TUESDAY MAY 23 2006

news without borders

Miti gets Matrade HQ after 9-year delay

by B. Suresh Ram
newsdesk@thesundaily.com

KUALA LUMPUR: The International Trade and Industry Ministry will be given vacant possession of the over-the-budget Malaysia External Trade Development Corporation (Matrade) headquarters tomorrow – after a delay of nine years.

Works Minister Datuk Seri S. Samy Vellu said work on the building had started in 1994 and was initially scheduled for completion in 1997.

“However, due to several delays, the completion date was extended a number of times,” he told a press conference in Parliament House outside a Dewan Negara sitting yesterday.

Samy Vellu said the cost of the project, after taking into account the appointment of a new contractor and additional work that had to be done, is RM287.5 million – up RM120.5 million from the original RM167 million.

The controversial Matrade building was last scheduled to be handed to the International Trade and Industry Ministry on June 22, but the Public Works Department and the contractor managed to complete the delayed work on April 28.

“Thus the PWD has managed to

hand over the building earlier,” Samy Vellu said proudly, despite the nine-year delay and the additional RM120.5 million in taxpayers’ money spent.

On the action to be taken against the original contractor, he said the Works Ministry would inform the Finance Ministry of the form of action to be taken against the original contractor.

The original contractor was Perangsang International Sdn Bhd – then a subsidiary of Kumpulan Darul Ehsan Bhd.

Samy Vellu said Kumpulan Darul Ehsan had, in a letter dated March 9, 2006, informed him that Perangsang International Sdn Bhd was no longer a subsidiary of theirs and had been sold.

“The contractor does not exist any more. The company has since ceased operations and has been acquired by others.

“This does not mean they can run away. Wherever they go, we will catch them and we will take action against them,” he said.

Samy Vellu said the wrongdoing and the delay in the project occurred when Kumpulan Darul Ehsan still had an interest in the company.

“We will refer the matter to the attorney-general to obtain his feedback,” he said.

Kegagalan menyerahkan projek mengikut masa yang ditetapkan

Movie
ban
reflects
low
tolerance
level
pg 16

New Straits Times 12 February 2008

> CONSTRUCTION STANDARDS

Pride in work seems unimportant

I AM unhappy reading about the "poor-quality culture" in our construction industry in the wake of a report that a 40m-long pedestrian bridge being built across Sungai Kilim in Langkawi has collapsed.

Towards the end of last year, we read about the caving in of a tourism building at Tasik Banded in Grik, Perak.

Early last year, it was the

tion industry does not practise industry benchmarking of quality standards? Or, perhaps, it is due to inertia on the part of planners.

In all three cases, there were no deaths and hence, after six months, the issue will be forgotten. Can the project planners explain why these new structures collapsed?

The engineering and con-



FOCUS

..where all the good workmen have gone

ALL CHECKED UP

One building defect after another and we are suddenly asking where all the good workmen have gone, writes **ELIZABETH JOHN.**

IN the wake of falling, cracking and bursting building parts comes a sobering realisation—we've lost many of the skilled hands that once lovingly placed every tiny nut and bolt in its place and made sure they would stay there.

In the past decade, anywhere between 50,000 to 100,000 skilled construction industry workers could have

left Malaysia for greener pastures, estimates Yap Yoke Keong.

Much of the exodus took place when the industry fell into a slump in the last few years, added the secretary-general of the Master Builders Association Malaysia.

With few opportunities at home, skilled workers left for projects outside the country or simply changed their profes-

sion, says Yap.

The industry lost many experienced site supervisors and engineers to billion-dollar construction booms in the Middle East, India and Pakistan.

Along with them went the carpenters, wiremen, plumbers and technical assistants.

FOCUS

Lack of quality, experience cause of defects



Workers replastering a leaking ceiling at the Sultan Abdul Halim Hospital in Sungai Petani. TOP RIGHT: Workers mapping the floor following a leak which flooded the cafeteria of the High Court complex in Jalan Dutta, Kuala Lumpur, recently.

□ FROM PAGE 29

But now that the good times are back, the industry is finding it difficult to get the skilled workers they need.

"The construction industry now is reliant on foreign workers, mostly from Indonesia and few come trained for the job," he says.

Yap was hardly surprised when the Malay Contractors Association downgraded the problem last week and went on to link shoddy workmanship by unskilled foreign labour to the string of building defects that plagued the headlines.

One of the biggest problems contractors now face is the lack of trained staff who can interpret, and explain technical drawings and make sure workers know what to do on-site.

For most contractors, it's a case of advertising and hunting around for workers available in the market when a building job comes by. But there's really little choice and the association is concerned, says Yap.

"Now contractors are pinching staff from one another and this could affect thousands of projects under the 'North Malaysia Plan'."

There could be trouble, says Yap, because there is a direct relationship between quality and skills.

Skilled workers leave how to do jobs to specifications. The standard of work will be good, he says.

Even the Construction Industry Development Board admits to having problems getting trainees for its trade—be it building, farm working, manufacturing, fitting, plastering and bricklaying.



Works Minister Datuk Seri S. Suresh Velu and PWU officers inspecting a defect in the ceiling at Parliament House recently.

Foreign workers now dominate these fields, the CIIH said in response to questions from the *New Sunday Times*.

Such work is energy intensive and tedious, explains Datuk Budiman Awang Chik, who heads the Malay Contractors Association.

"The popular term used to refer to these types of jobs in the industry is '3D'—dirty, dangerous and difficult. Not many Malaysians want to do this," he says.

Brian Dutt, who is in charge of the gap, says it's very common and that Malaysians understand the system here.

Of those who come to work here, some have little experience while others have none at all. Some have accreditation from their country of origin either, he says.

These days, contractors find that they sometimes have to set up camps—build a section of the wall and show the workers the finished job.

Foreign workers are often hired on the job.

"You can tell in a few hours of work if they can actually do what they claim they can."

All a contractor needs, really, is a few skilled workers from a trade to head the squad of workers doing a particular job, says Dutt.

But even these deposits, or bonds, are tough to find.

For small-scale contractors, the problem is particularly pronounced.

L.Y. says he has absolutely no choice but to employ foreign labour because it's a very expensive to employ a local skilled worker.

NEW SUNDAY TIMES JUNE 17, 2007



The difference in cost is about 100 per cent and it would take a huge chunk out of already very slim margins, says the contractor.

"But then, you lose out on quality and experience. You'll never get someone who can read drawings, who knows what they are doing," he says.

Contractors depend a great deal on networking and often go around asking other contractors if anyone can spare a carpenter, for instance.

Others say they just have to go to an agency that supplies them with foreign workers and most of the time, they are unskilled and inexperienced.

Then, in the past, he had to bear huge losses simply because lack of experience and skills meant the workers needed almost double the time to finish the job.

And that's saying nothing on the time and resources spent fixing problems later.

Yet he wouldn't blame the problem of building defects entirely on workers, skilled or unskilled.

He says buildings go through a host of people who are meant to supervise and it's so much their responsibility to ensure everything is done right.

The CIIH also lack of supervision among a string of reasons for poor quality buildings and defects but agrees that lack of skilled workers is a problem.

If this isn't enough of a headache for an industry suddenly beset by falling bids of office buildings, there's the sharp rise in building material cost to worry about.

"Just take the price of steel. It's gone up twice this year. When that happens, the price of every single item that has a steel component goes up, too," says Malay Contractors Association secretary-general Datuk Osman Abu Bakar.

The price of plywood and the same goes on.

"This may lead to problems like the use of substandard materials."

"And if the situation continues, we foresee that there will be many sick and delayed projects in the near future," says Osman.

Then will be contractors who can't keep to the tender price and, as a result, there may be failures, he adds.

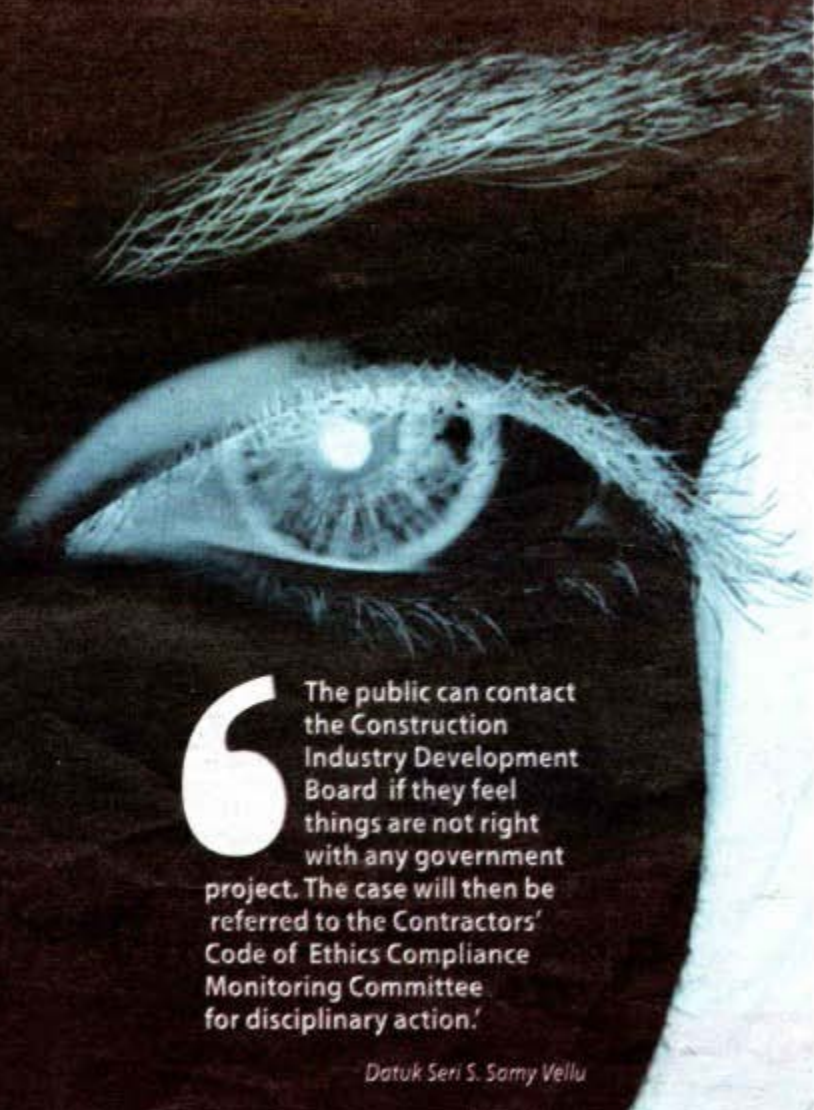
"At the end of the day, it's the public, the consumer, who ends up paying."



PUBLIC EYE FOR PUBLIC WORKS

POWER TO THE PEOPLE

- Works Ministry to use the public to monitor projects from next year
- They can lodge complaints on delays, abuses, abandoned projects and sub-standard work



“The public can contact the Construction Industry Development Board if they feel things are not right with any government project. The case will then be referred to the Contractors' Code of Ethics Compliance Monitoring Committee for disciplinary action.”

Auditor General wants independent review
Husna Yusop and Tim Leonard

KUALA LUMPUR (Oct 19, 2009) : A panel of experts will be set up to study company proposals for the construction of a new airport terminal.

AUDITOR GENERAL'S REPORT

Ambrin said an independent review panel should be set up to study company proposals for the construction of a new airport terminal.

He made the recommendation in the 2008 A-G's Report on the activities of ministries and departments.

AG – “based on audit done, several weaknesses were found in the implementation of projects or activities resulting from lack of monitoring or supervision by responsible authorities”.



Ambrin Buang

identify projects which needed independent reviews while EPU be made responsible to identify panel members and arrange their appointments.

Ambrin said based on the audit done, several weaknesses were found in the implementation of projects or activities.

Other weaknesses identified: lack of technical expertise and full reliance on contractors/consultants, lack of coordination between agencies involved and internal problems faced by contractor.

2007 and 2008.

In addition, he said the departments involved higher

He also recommended that the departments involved higher

"It was proposed that the concept and the

"Also, to protect the public interest, he added.

The weaknesses resulted in projects not completed on time, less satisfactory on quality, increase in project cost, government not getting value for money and failure to meet its objective.

To ensure projects are completed on time and the government gets value for money, Ambrin recommended that a detailed study be conducted on government projects before they were approved for implementation.

LAPORAN KETUA AUDIT NEGARA

KUALA LUMPUR (Oct 19, 2009) : Several government projects were slammed by Auditor-General (A-G) Tan Sri Ambrin Buang in the 2008 A-G's Report released to MPs.

Project was less satisfactory resulting in govt. losses and use its facilities

being able to use its facilities.

In its report on the activities of ministries or departments and management of federal government companies, Ambrin said among others, it was found that the Certificate of Practical Completion (CPC) had been issued while works were still going on and equipment not adequately supplied by contractors.

The delay in project completion resulted in an increase in cost, construction works which are unsuitable or no quality and equipment and facilities not fully optimised," he said.



AG – CPC had been issued while works were still going on and equipments not adequately supplied by contractors.

"The PWD should not issue the CPC until work has been completed and equipment adequately supplied. For equipment received after issuance of CPC, yet to be delivered until now, their warranty period must be set for two years from the date of its delivery, not on Jan 31, 2009," he said.

JKR should not issue CPC until work has been completed and equipment adequately supplied. For equipment received after issuance of CPC, yet to be delivered until now, their warranty period must be set for two years from the date of its delivery.

AG's report: Action will be taken, says Najib

PUTRAJAYA (Oct 22, 2009) : Prime Minister Datuk Seri Najib Abdul Razak said he was disappointed at excesses and discrepancies highlighted by the auditor-general in his 2008 report this week and warned that punitive action will be taken.



"The important thing in the aftermath of the report is whether we will undertake measures," he said when asked at a media briefing on Budget 2010 at the Treasury today.

"Some punitive measures may be necessary against those who flout rules and regulations."

Najib said as part and parcel of good governance, the government should reward good performance but take action against those who crossed the line.

He was confident the situation would improve with the introduction of the Key Performance Indicators and Key Result Areas (KRAs) announced

PM – “Some punitive measures may be necessary against those who flout rules and regulations”



DESIGN QUALITY INDICATORS

KESELAMATAN

- Tahan bebanan
- Tahan gegaran
- Tiada mendapan

KEFUNGSIAN

- Akses
- Ruang
- Kecekapan tenaga

IMPAK

- Kebolehsenggaraan
- Mesra Alam
- Kreatif & Inovatif
- Integrasi sosial
- Prestasi aset



Amalan Terbaik Pengurusan Projek

Managing The Triple Constraints

	Jangka Masa	Kos	Rupabentuk
Ideal	Ample Time	Low Cost	High Quality
Norm	Reasonable Time	Optimum Cost	Acceptable Quality
Reality	Short Time	High Cost	Reasonable Quality

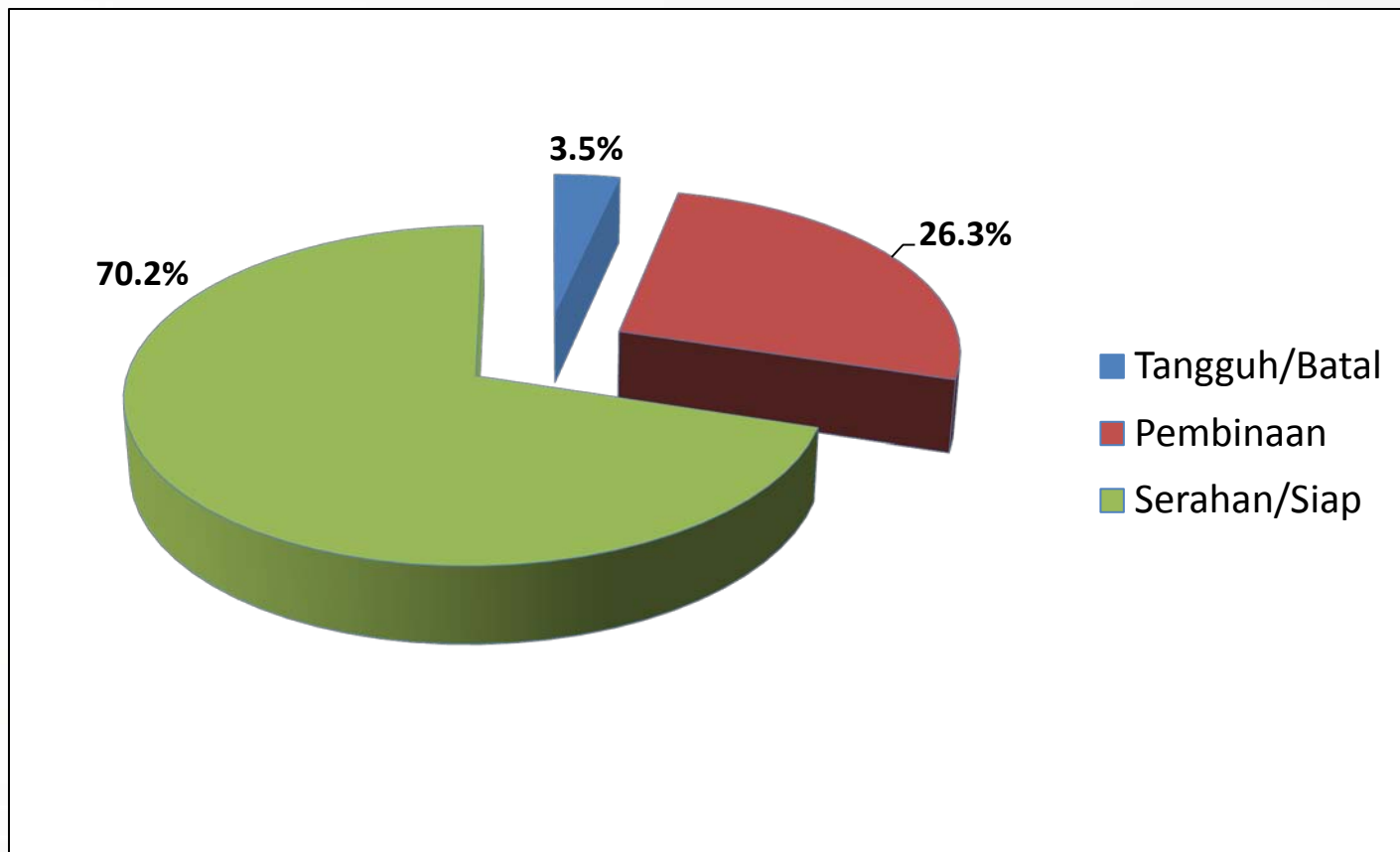


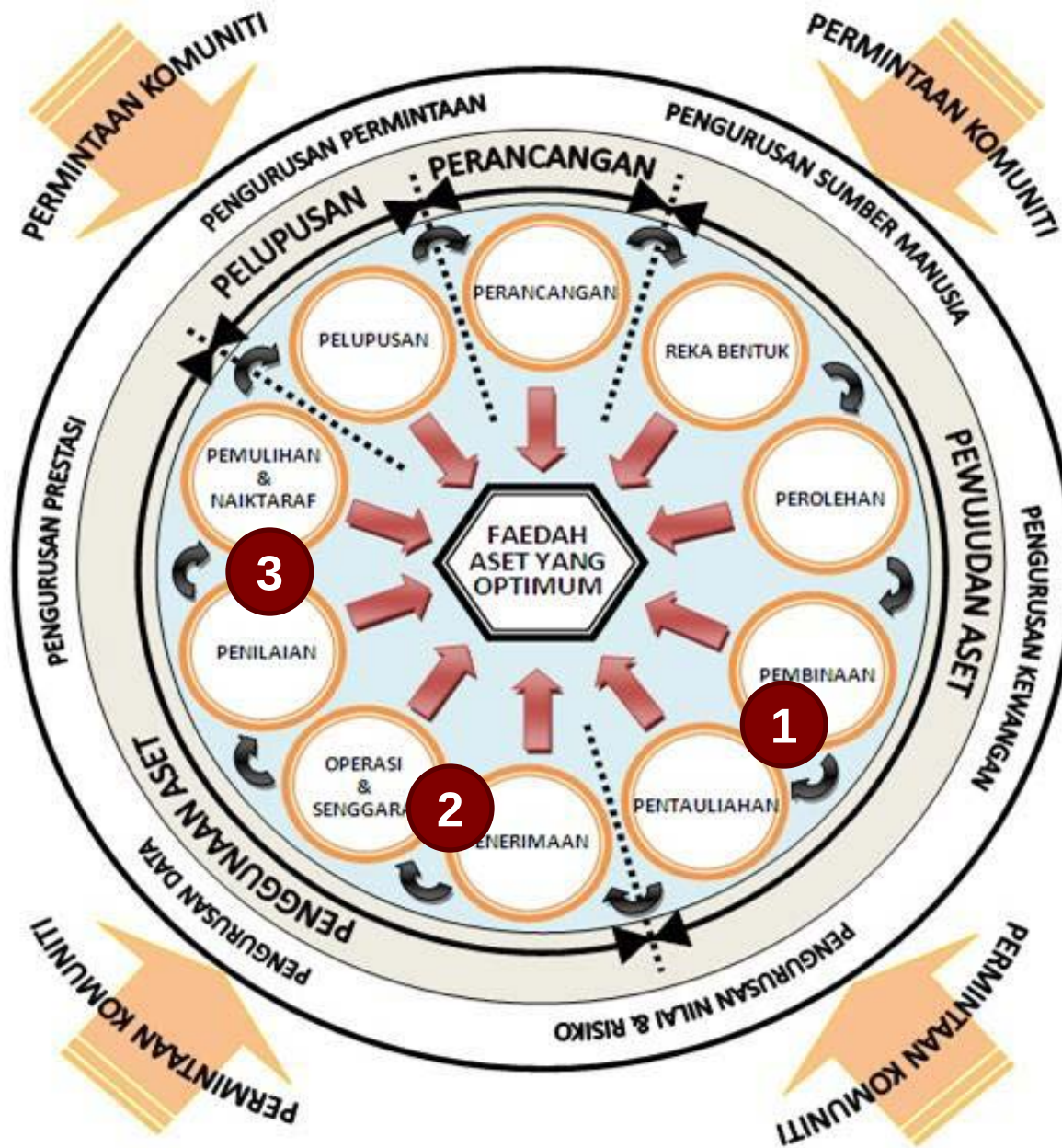
ANALISA HASIL PENEMUAN KEGAGALAN DAN KECACATAN



PRESTASI FIZIKAL PROJEK RMK 9 SEHINGGA 30 SEPT 2010

Jumlah Projek RMK 9 = 6126





TUGAS SEMASA CAW. KEJ. SENGGARA

1 *Pre-CPC Check*

2 *POE*

3 *Asset Rating*



PENILAIAN ASET

PEMERIKSAAN PRA-SIAP

- ✓ ASET TERSEDIA UNTUK DIGUNAKAN
- ✓ PENGAJARAN & PEMBELAJARAN

PENILAIAN PASCA MENDUDUKI (POE)

- ✓ MEREALISASI FAEDAH ASET
- ✓ KEPUASAN PELANGGAN

PENILAIAN PRESTASI ASET (RATING SYSTEM)

- ✓ ARAS SERVIS (LOS)
- ✓ PENGURUSAN ASET STRATEGIK
- ✓ KOS KITARAN HAYAT (LCC)



ANALISIS AUDITAN/PEMERIKSAAN

☐ **BANGUNAN**

☐ **JAMBATAN**

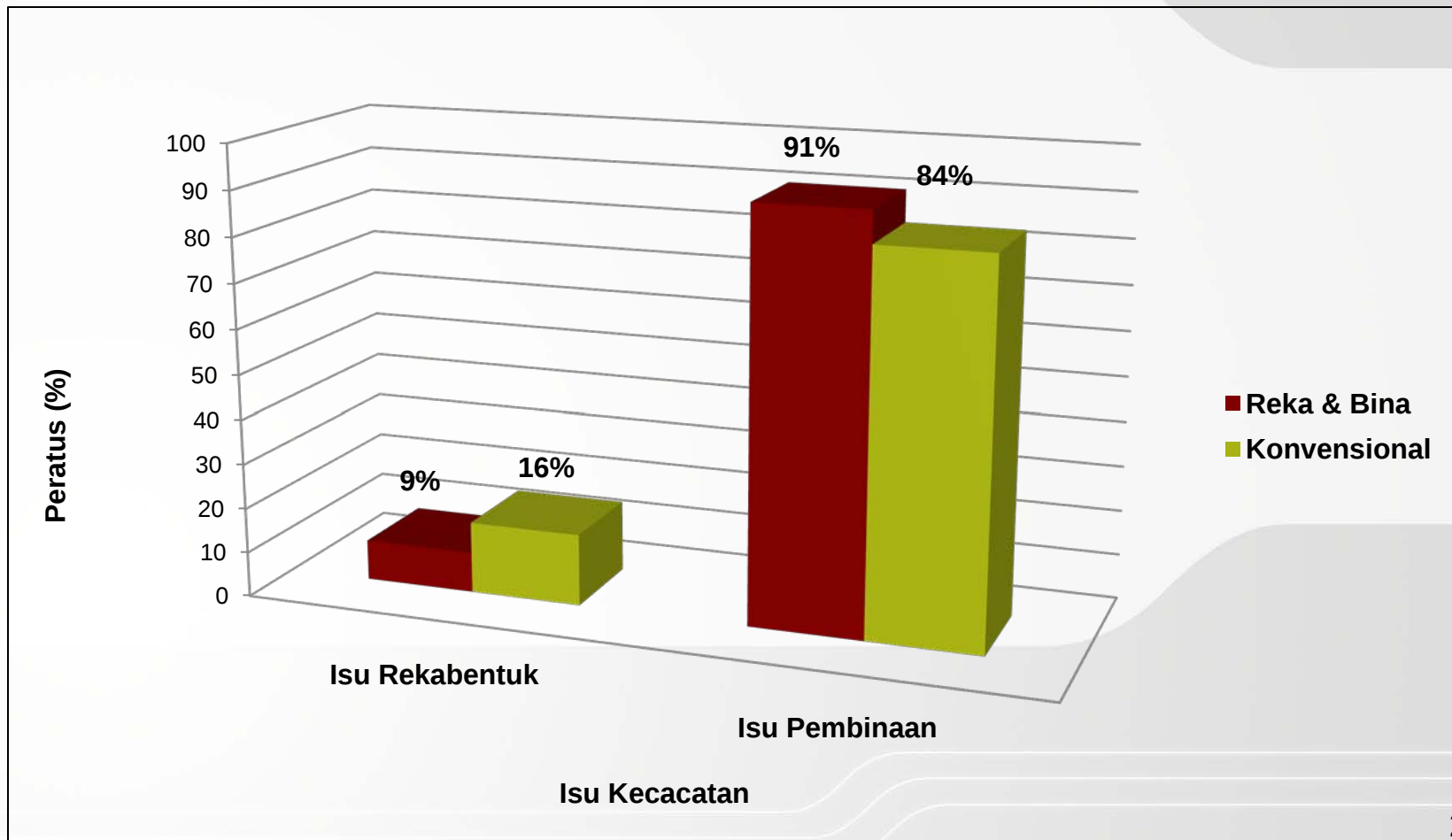
☐ **JALAN**



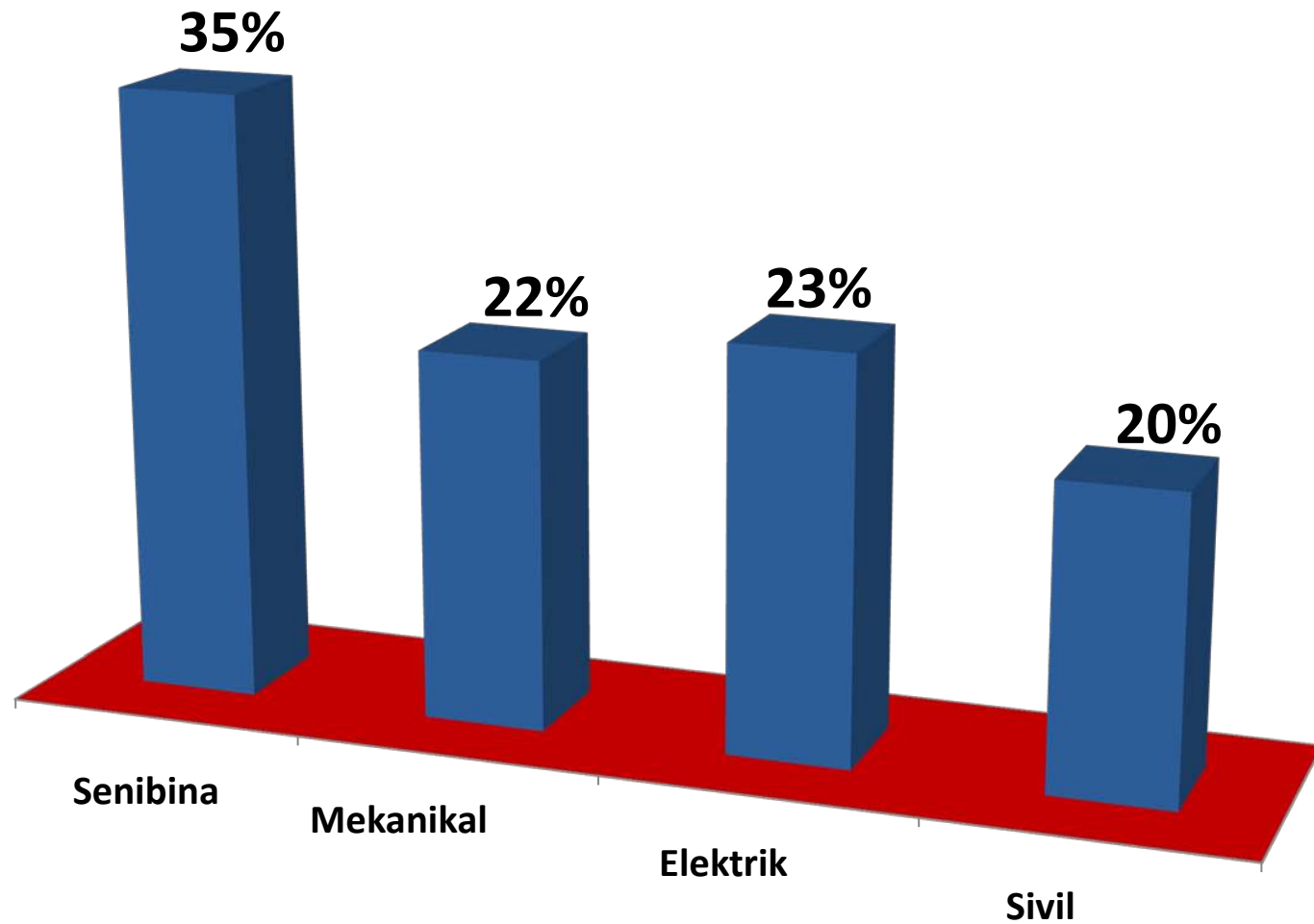
BANGUNAN



PECAHAN KECACATAN MENGIKUT KAEDAH PELAKSANAAN DAN ISU KECACATAN

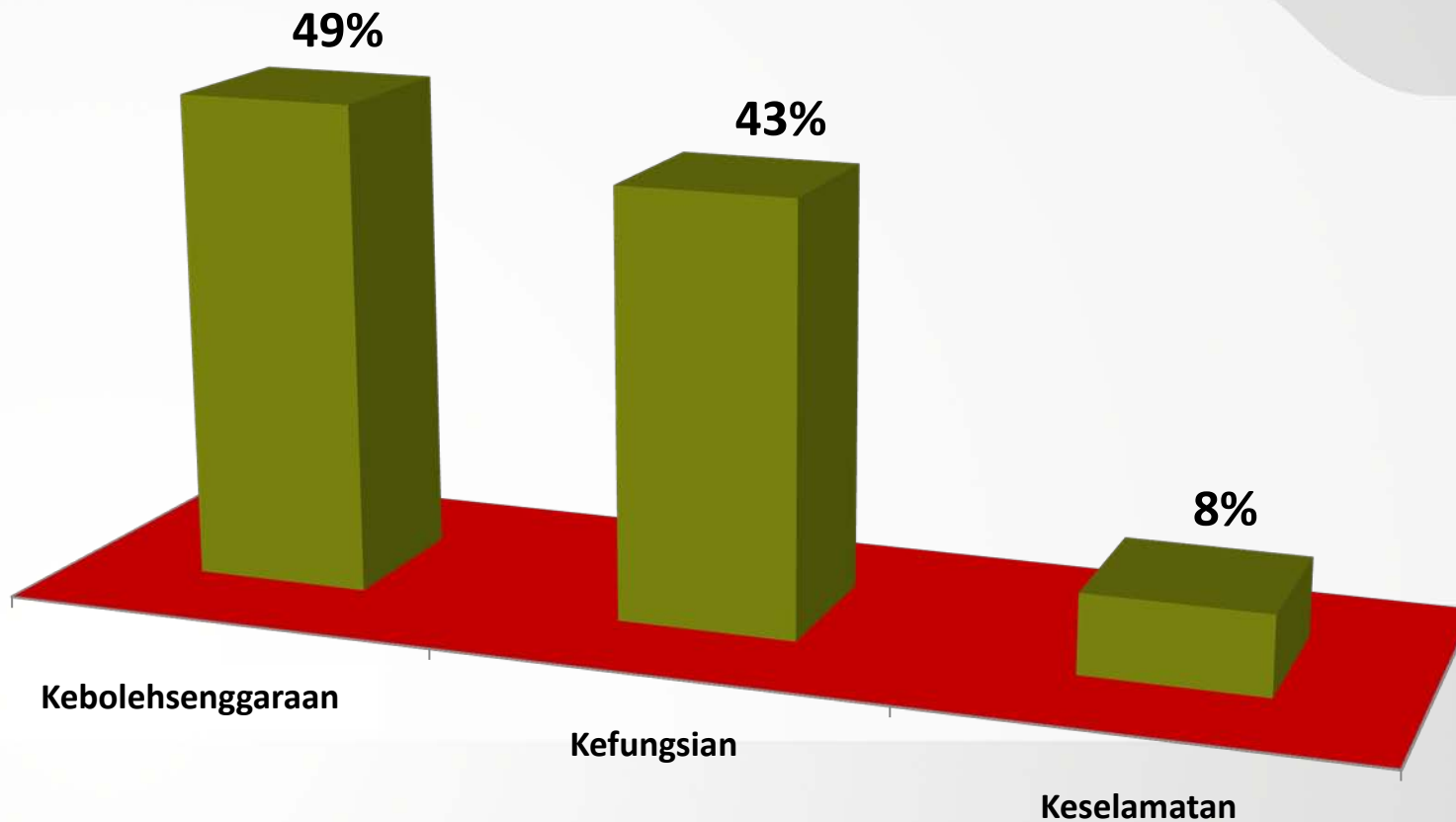


PERATUS KECACATAN MENGIKUT KATEGORI KERJA





PERATUS KECACATAN BERDASARKAN KRITERIA TAHUN 2009



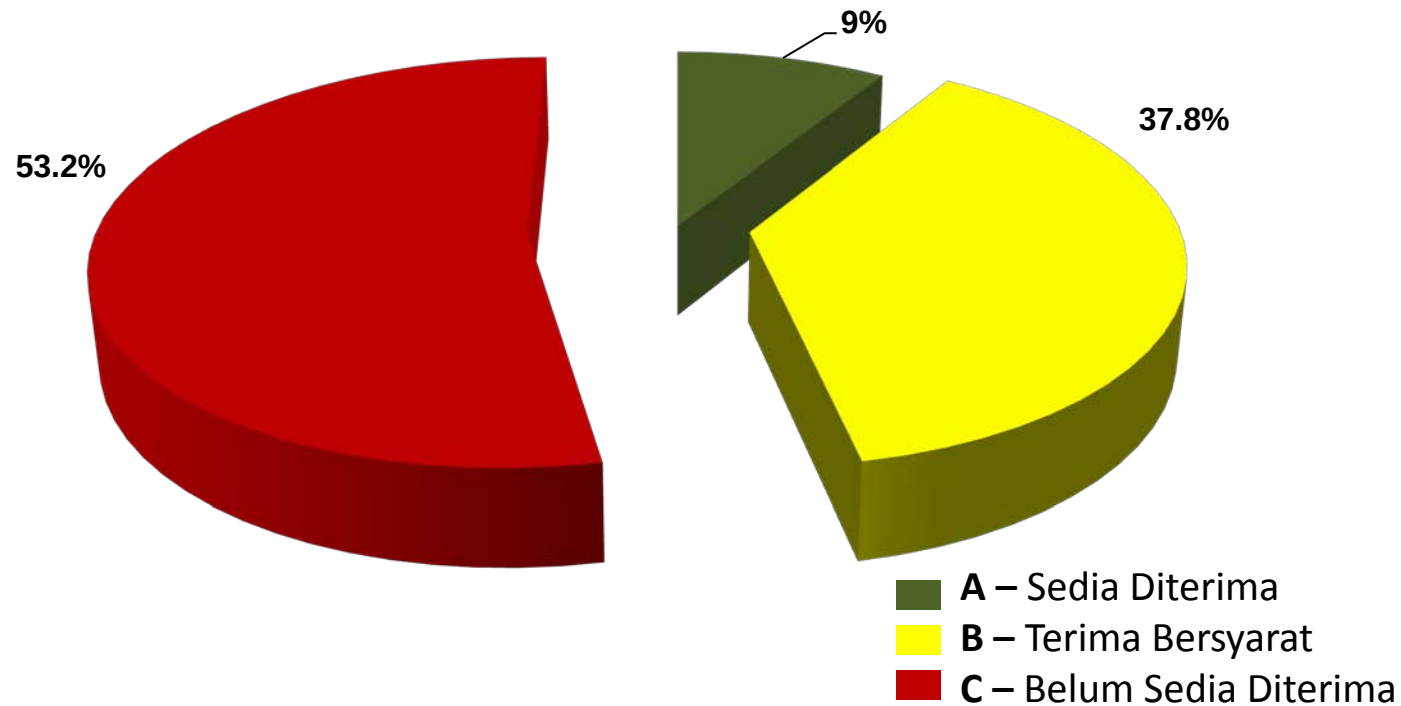


ANALISIS PEMERIKSAAN BANGUNAN BARU 2009 – JUN 2010

Skala Penerimaan	A	B	C	Jumlah Bangunan Diperiksa
	Bgn sedia Diterima Tanpa Syarat	Bgn Diterima dengan bersyarat	Bgn belum sedia untuk diterima	
Bil. Projek 2009	1	21	23	45
Bil. Projek 2010 (Jun)	9	21	36	66
Jumlah	10 (9.0%)	42 (37.8%)	59 (53.2%)	111

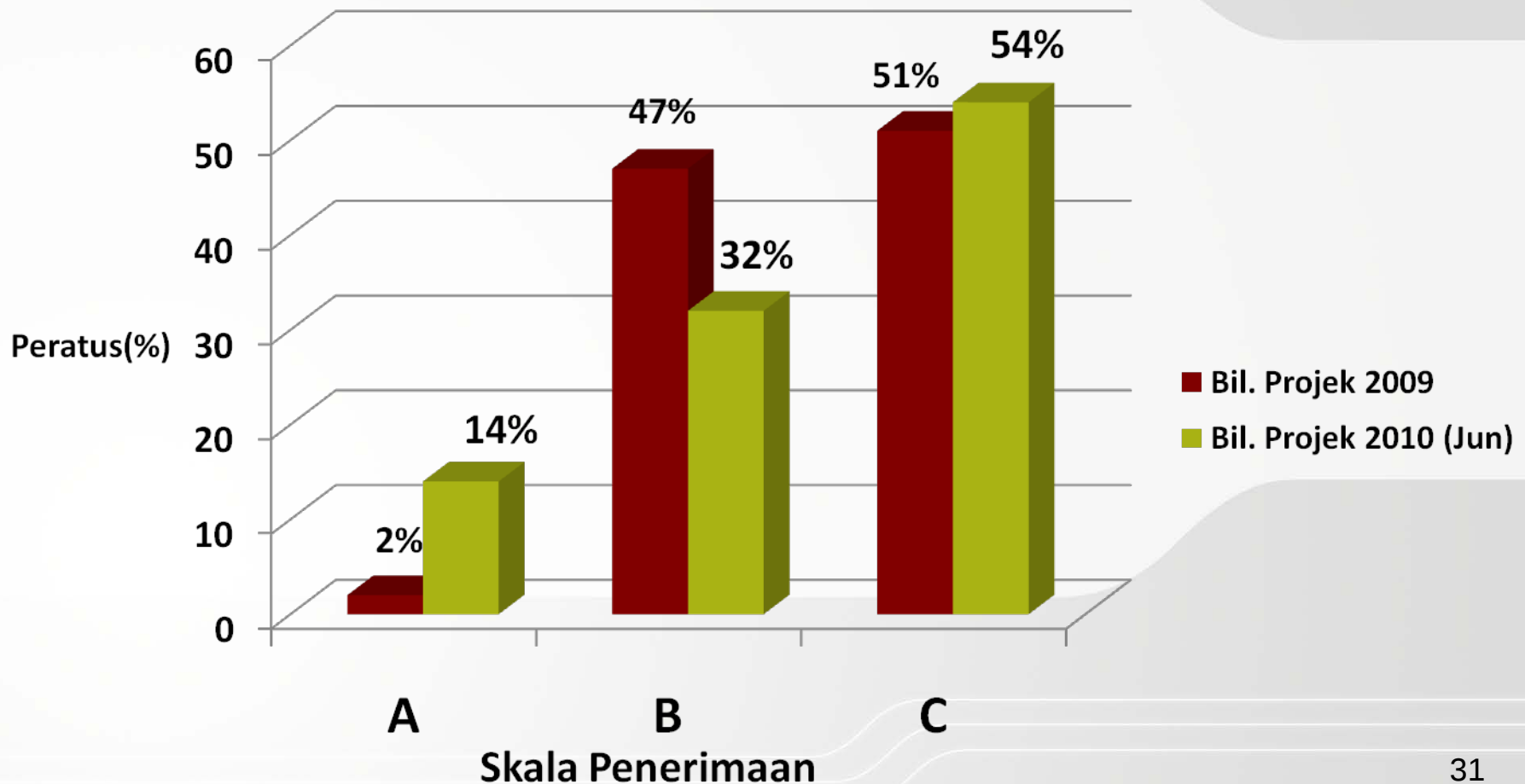
ANALISIS PEMERIKSAAN BANGUNAN BARU 2009- JUN 2010

Peratus Tahap Ketersediaan Penerimaan





ANALISIS PEMERIKSAAN BANGUNAN BARU 2009 - JUN 2010





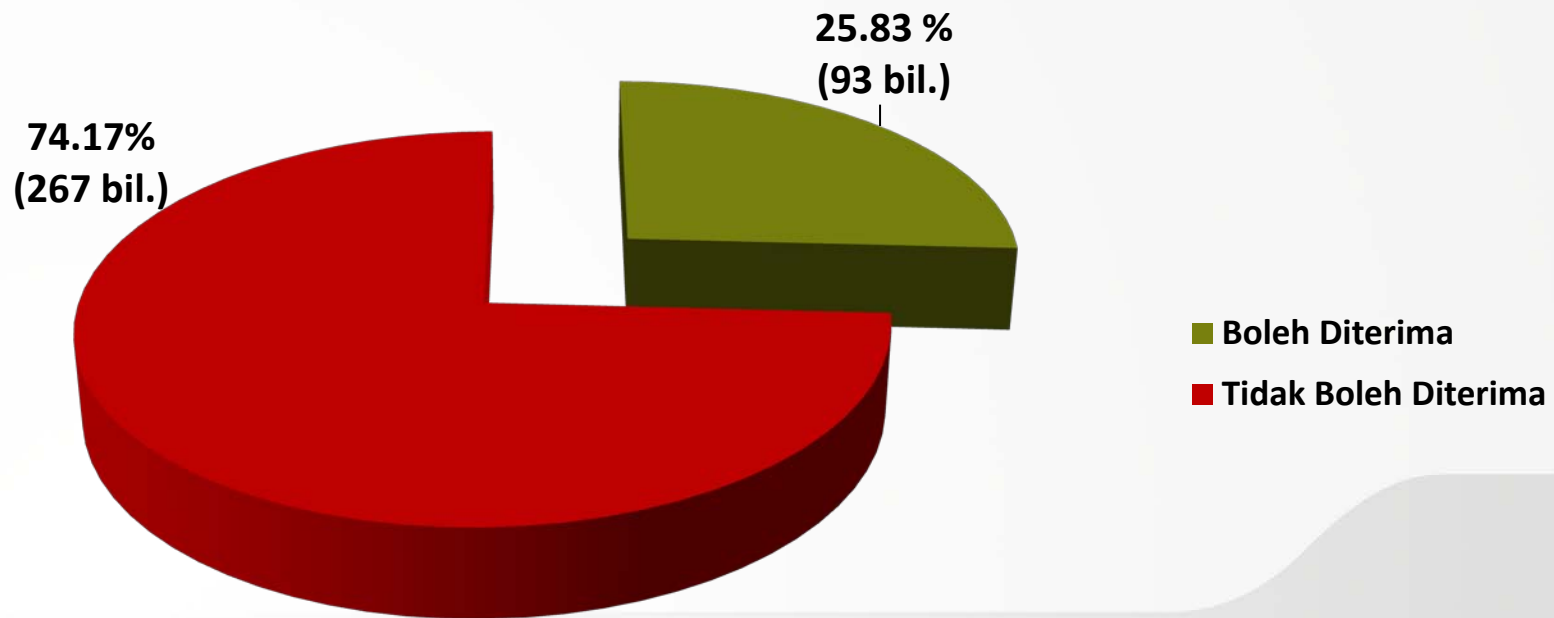
JAMBATAN

AUDITAN KRITERIA PENERIMAAN PROJEK JAMBATAN YANG TELAH DIJALANKAN SEHINGGA OGOS 2010

	Jumlah Projek Diaudit	Projek Boleh Diterima	Projek Tidak Boleh Diterima
Jambatan	105 (360 bridges)	44 (93 bridges)	61 (267 bridges)

*** 90 projek telah tamat DLP, 15 projek dalam DLP.**

AUDITAN KRITERIA PENERIMAAN PROJEK JAMBATAN YANG TELAH DIJALANKAN SEHINGGA OGOS 2010





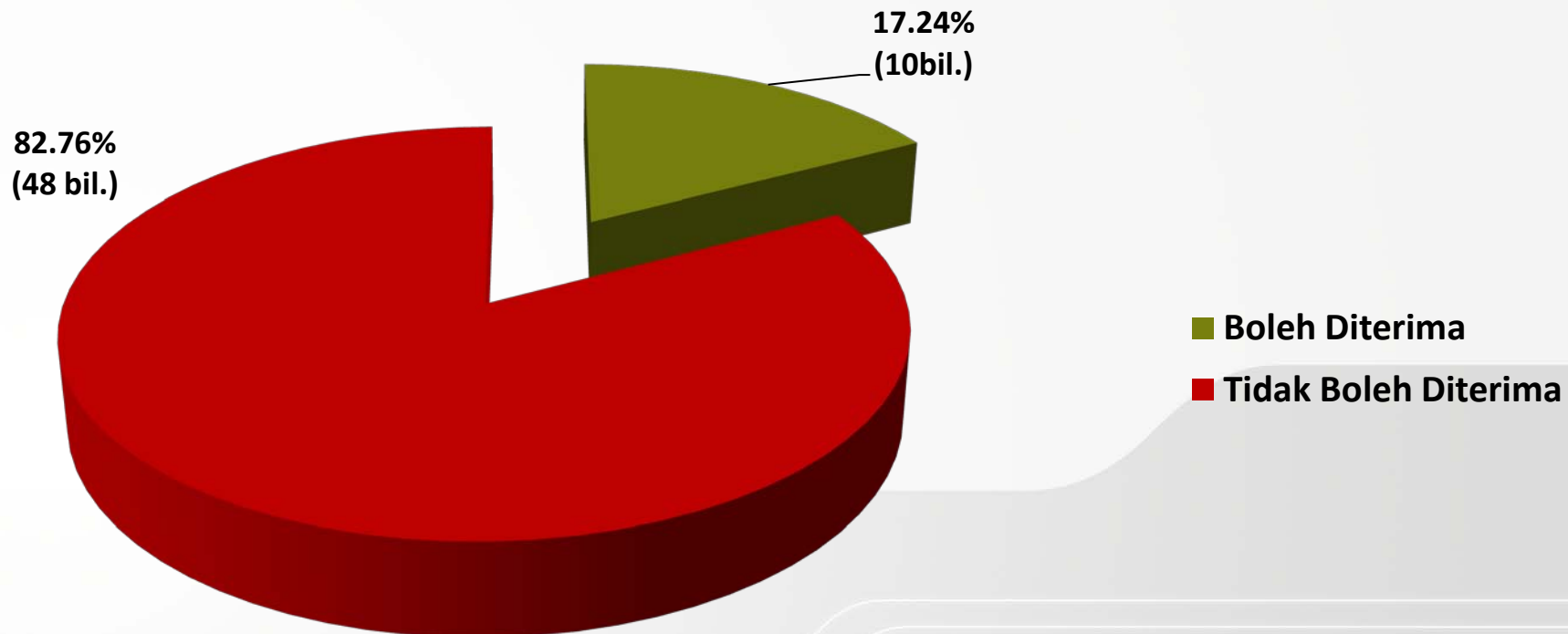
JALAN

AUDITAN KRITERIA PENERIMAAN PROJEK JALAN JAN 2009 – OKT 2010

	Jumlah Projek Diaudit	Projek Boleh Diterima	Projek Tidak Boleh Diterima
Jalan	58	10 (17.24%)	48 (82.76%)



AUDITAN KRITERIA PENERIMAAN PROJEK JALAN JAN 2009 – OKT 2010



ANALISIS PENERIMAAN PROJEK

- Berasaskan Pemeriksaan / Auditan

	Terima	Tidak Diterima
Bangunan	47%	53%
Jambatan	26%	74%
Jalan	17%	83%

THE BILLION-DOLLAR
REPAIR BILL FOR FIXING
LEAKY HOMES IS TO BE
SPLIT BETWEEN OWNERS
AND GOVERNMENT...

FAIR ENOUGH.
IT'S THEIR FAULT
FOR HIRING US IN
THE FIRST PLACE.



M. P.erson

Terima Kasih