Rapid Visual Screening of Buildings for Potential Seismic Hazards
FEMA P-154 Data Collection Form

**Address:** Jl. A. Yani No. 45 Kecamatan Pacitan Kabupaten Pacitan Zip: 63517

**Other Identifiers:**
- Building Name: SD Negra Balekerto 2
- Use: Bangunan Sekolah
- Latitude: 8.198773
- Longitude: 111.101742
- Sr: 1-043
- Sr: 0-422
- Screener(s): Karina R.N
- Date/Time:

**No. Stories:** Above Grade: 2
Below Grade: -

**Total Floor Area (sq. ft.):** 3,390

**Additions:** None
Yes Year(s) Built:

**Occupancy:** Assembly
Industrial
Commercial
Office
Entertainment
Transportation
Healthcare
Retail/Small
Residential
Other:

**Geologic Hazards:** Liquefaction: Yes/No/DNK Landslide: Yes/No/DNK Surf Rupt: Yes/No/DNK

**Soil Type:** A
B
C
D
E
F
G
H
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

**Soil Type:**
- Hard Rock
- Soft Rock
- Dense Soil
- Soft Soil
- Poor Soil
- Unconsolidated Silt
- Clays
- sandy clay
- loam
- gravel
- cobbles
- boulders

**Irregularities:**
- Vertical (type/severity):
- Plan (type):
- L-shaped

**Exterior Falling Hazards:**
- Unbraced Chimneys
- Parapets
- Other:
- Heavy Cladding or Heavy Veneer
- Awning

**SKETCH**

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**BASIC SCORE, MODIFIERS, AND FINAL LEVEL 1 SCORE, S1**

<table>
<thead>
<tr>
<th>FEMA Building Type</th>
<th>Do Not Know</th>
<th>W1</th>
<th>A1</th>
<th>W2</th>
<th>A2</th>
<th>S1 (NRIF)</th>
<th>S2 (BR)</th>
<th>S3 (LM)</th>
<th>S4 (SC)</th>
<th>S5 (UR)</th>
<th>C1 (MPW)</th>
<th>C2 (MPF)</th>
<th>C3 (PS4)</th>
<th>PC1</th>
<th>PC2</th>
<th>PC3</th>
<th>RM1</th>
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<th>MAH</th>
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</tbody>
</table>

**Final Level 1 Score, S1 = 1.1**

**EXTENT OF REVIEW**

- Exterior: Partial
- Intention: None
- Drawings Reviewed: Yes
- Soil Type Source: Geologic Hazards Source:
- Contact Person:

**LEVEL 2 SCREENING PERFORMED?**
- Yes, Final Level 2 Score, S2: No
- Additional sketches or comments on separate page

**OTHER HAZARDS**
Are There Hazards That Trigger A Detailed Structural Evaluation?
- Yes
- No

**ACTION REQUIRED**
Detailed Structural Evaluation Required?
- Yes
- No

Detailed Nonstructural Evaluation Recommended? (check one)
- Yes
- No

Legend:
- MRF = Masonry retaining wall
- BR = Braced frame
- N = Nonretaining concrete
- SW = Shear wall
- UH = Unretained masonry fill
- DJ = Diaphragm
- MR = Modular frame
- TM = Tilt-up
- VH = Vented masonry
- DM = Diaphragm
- RD = Rigid diaphragm
Rapid Visual Screening of Buildings for Potential Seismic Hazards
FEMA P-154 Data Collection Form

Address: JL. A. Yani No 45 Recaman Pacitan
Kabupaten Pacitan
Zip: 63511

Other Identifiers: -

Building Name: SD Negeri Balersen 2
Use: Bangunan Sekolah

Latitude: -8.194773
Longitude: 111.101742
Ss: 1.043
Sr: 0.422

Screener(s): Karina R. N
Date/Time: 

No. Stories: Above Grade: 1
Below Grade: 0
Year Built: 2004

Total Floor Area (sq. ft.): 4,390 m²

Additions: □ None □ Yes Year(s) Built:

Occupancy: □ Assembly □ Industrial □ Commercial □ Office
□ Service □ Warehouse □ Residential, # Units: [ ]

Soil Type: □ A □ B □ C □ D □ E □ F □ DNK

Geologic Hazards: □ Liquefaction: Yes/No/DNK □ Landslide: Yes/No/DNK □ Surf. Rupt.: Yes/No/DNK

Adjacency: □ Pounding □ Falling Hazards from Taller Adjacent Building

Irregularities: □ Vertical Type/severity: spilt level/slop □ Plan type: L-shaped

Exterior Falling Hazards: □ Unbraced Chimneys □ Heavy Cladding or Heavy Venter

COMMENTS:

Additional sketches or comments on separate page

SKETCH

FEMA BUILDING TYPE

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<tr>
<th>Do Not Know</th>
<th>W1</th>
<th>W1A</th>
<th>W2</th>
<th>S1 (MYP)</th>
<th>S2 (RC)</th>
<th>S3 (URM INF)</th>
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<th>PC1</th>
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FINAL LEVEL 1 SCORE, S1: 2.8

EXTENT OF REVIEW

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<td>□ Visible</td>
<td>□ Entered</td>
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<td>Contact Person:</td>
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LEVEL 2 SCREENING PERFORMED?

| □ Yes, Final Level 2 Score, S2 | □ No |
| Nonstructural hazards? | □ Yes | □ No |

OTHER HAZARDS

Are There Hazards That Trigger A Detailed Structural Evaluation?
□ Yes, unknown FEMA building type or other building
□ Yes, uncut-off, (if known)
□ No, falling hazards from taller adjacent building
□ No, other hazards present

Detailed Structural Evaluation Recommended? (check one)
□ Yes, nonstructural hazards identified that should be evaluated
□ No, nonstructural hazards exist that may require mitigation, but a detailed evaluation is not necessary

ACTION REQUIRED

- FEMA = Moment-resisting frame
- RC = Reinforced concrete
- SW = Shear wall
- URM INF = Unreinforced masonry wall
- TM = Tilts up
- ML = Manufactured housing
- PR = Flat diaphragm
- RD = Ridge diaphragm

 Legend: □ Yes, No, Unknown FEMA building type or other building
□ Yes, Score less than cut-off
□ Yes, Falling hazards from taller adjacent building
□ Detailed Structural Evaluation Required?
□ Yes, other hazards present
□ No

Where information cannot be verified, screener shall note the following: EST = Estimated or unreliable data OR DNK = Do Not Know
### Rapid Visual Screening of Buildings for Potential Seismic Hazards

**FEMA P-154 Data Collection Form**

**Address:** Jl. Brigjen Katonno No. 17 Kec. Pocitan

**Kabupaten Pocitan Zip:** 63512

**Other Identifiers:**
- Building Name: SD Negeri Pocitan
- Use: Bangunan Sekolah

**Latitude:** 8.189636  **Longitude:** 111.102097

**[Site Location Image]**

**Screener(s):** Karina A N  **Date/Time:**

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<th>Code Year</th>
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**Total Floor Area (sq. ft.):** 5,120 m²

**Additions:**
- None
- Yes, Year(s) Built:

**Occupancy:**
- Assembly
- Commercial
- Emergencies/Services
- Historic
- Industrial
- Office
- Residential

**Soil Type:**
- Hard
- avg
- Dense
- stiff
- Soft
- Poor
- HWK
- Sand
- Rock
- Soil

**Geologic Hazards:**
- Liquefaction: Yes/No/DN
- Landslide: Yes/No/DN
- Soil Surf: Yes/No/DN

**Adjacency:**
- Pounding
- Falling Hazards from Taller Adjacent Building

**Irregularities:**
- Vertical (type/severity) levels
- Plan (type) levels

**Exterior Failing Hazards:**
- Unbraced Chimneys
- Heavy Cladding or Heavy Veneer

**COMMENTS:**

**SKETCH:**

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**BASIC SCORE, MODIFIERS, AND FINAL LEVEL 1 SCORE, \( S_f \)**

| FEMA Building Type | Do Not Know | W1 | W1A | W2 | S1 | S2 | S3 | S4 | S5 | S6 | S7 | S8 | S9 | S10 | C1 | C2 | C3 | PC1 | PC2 | Rm1 | Rm2 | URM | MN |
|--------------------|-------------|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Basic Score        | 3.5         | 3.2| 2.5 | 2.1| 2.0| 2.8| 2.0| 1.7|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1.5|
| Severe Vertical Irregularity, \( V_I \) | -1.2        | -1.2| -1.0| -1.0| -1.1| -1.0| -0.8|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.9 |
| Moderate Vertical Irregularity, \( V_M \) | -0.7        | -0.7| -0.6| -0.6| -0.6| -0.6| -0.6|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.6 |
| Plan Irregularity, \( P_I \) | -1.1        | -1.0| -0.8| -0.8| -0.8| -0.8| -0.8|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.3 |
| Pre-Code          | -1.1        | -1.0| -0.6| -0.6| -0.6| -0.6| -0.6|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.4 |
| Post-Benchmark    | 1.6         | 1.9| 2.2 | 2.2| 2.2| 2.2| 2.2|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.3 |
| Soil Type A or B  | 0.1         | 0.3| 0.3 | 0.3| 0.3| 0.3| 0.3|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.5 |
| Soil Type E (1-3 stories) | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.3 |
| Soil Type E (> 3 stories) | -0.3 | -0.3 | -0.3 | -0.3 | -0.3 | -0.3 | -0.3 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.3 |
| Minimum Score, \( S_m \) | 1.1          | 0.9| 0.7 | 0.7| 0.7| 0.7| 0.7|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.3 |

**FINAL LEVEL 1 SCORE, \( S_f = S_m + N \)-**

<table>
<thead>
<tr>
<th>Extent of Review</th>
<th>Exterior</th>
<th>Partial</th>
<th>All Sides</th>
<th>Aerial</th>
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<td>Drawings Reviewed</td>
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<td>Soil Type Source</td>
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<tr>
<td>Geologic Hazards Source</td>
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**LEVEL 2 SCREENING PERFORMED?**
- Yes, Final Level 2 Score, \( S_U \)
- No, Nonstructural hazards?

**OTHER HAZARDS**

<table>
<thead>
<tr>
<th>Are There Hazards That Trigger A Detailed Structural Evaluation?</th>
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</thead>
<tbody>
<tr>
<td>Pounding potential (unless ( S,U &gt; ) cut-off, if known)</td>
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<tr>
<td>Falling hazards from taller adjacent building</td>
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<tr>
<td>Geologic hazards or Soil Type F</td>
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<td>Significant damage/destruction to the structural system</td>
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<table>
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<th>ACTION REQUIRED</th>
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<tbody>
<tr>
<td>Detailed Structural Evaluation Required?</td>
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<tr>
<td>Yes, unknown FEMA building type or other building</td>
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<tr>
<td>Yes, score less than cut-off</td>
</tr>
<tr>
<td>Yes, other hazards present</td>
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<tr>
<td>No</td>
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<tr>
<td>Detailed Nonstructural Evaluation Recommended? (check one)</td>
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<tr>
<td>Yes, nonstructural hazards identified that should be evaluated</td>
</tr>
<tr>
<td>No, nonstructural hazards exist that may require mitigation, but a detailed evaluation is not necessary</td>
</tr>
<tr>
<td>No, no nonstructural hazards identified</td>
</tr>
<tr>
<td>DNK</td>
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</tbody>
</table>

---

**Legend**
- MR = Moment resisting frame
- RC = Reinforced concrete
- SW = Sheet wall
- TL = Tilt up
- URM = Unloadbearing masonry wall
- MR = Manufactured Housing
- FD = Flexible diaphragm
- RC = Rigid diaphragm

Where information cannot be verified, screener shall note the following: EST = Estimated or unreliable data  OR  DNK = Do Not Know
### Rapid Visual Screening of Buildings for Potential Seismic Hazards

**FEMA P-154 Data Collection Form**

**Address:** Jl. R.M. Suryono, No 54, Ploso Reg. Pacitan, Kabupaten Pacitan, Zip: 63515

**Other Identifiers:**
- Building Name: SD Negeri Ploso 1
- Use: Bangunan Sekolah
- Latitude: -8.202624
- Longitude: 114.101360
- Site Elevation: 1.043
- Site Slope: 0.422

**Screener:** Karna B.N.

**Date/Time:**

**No. Stories:** Above Grade: 1, Below Grade: 1

**Total Floor Area (sq. ft.):** 1,368

**Code Year:**

**Additions:**
- None
- Yes, Year(s) Built: 1910

**Occupancy:**
- Assembly
- Industrial
- Office
- Utility
- Commercial
- Shop
- Residential, # Units

**Soil Type:**
- A
- B
- C
- D
- E
- F
- Rock
- Soil

**Geologic Hazards:**
- Liquefaction: Yes/No
- DNK
- Landslide: Yes/No
- DNK
- Surf. Rupt.: Yes/No
- DNK

**Adjacency:**
- Pounding
- Falling Hazards from Taller Adjacent Building

**Irregularities:**
- Vertical (type/severity)
- Plan (type)
- U-shaped

**Exterior Failing Hazards:**
- Unbraced Chimneys
- Heavy Cladding or Heavy Veneer

**Comments:**

---

### Sketch

![Building Sketch]

---

### Basic Score, Modifiers, and Final Level 1 Score, $S_L$

| FEMA Building Type | Do Not Know | W1 | W2 | W3 | W4 | W5 | S1 | S2 | S3 | S4 | S5 | S6 | S7 | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | PC1 | PC2 | RM1 | RM2 | RM3 | URN | MH |
|-------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Basic Score       | 1.0         | 1.6| 3.2| 2.9| 2.1| 2.0| 2.5| 2.0| 1.7| 1.3| 1.3| 2.0| 1.2| 1.6| 1.4| 1.7| 1.7| 1.0| 1.5|
| Severe Vertical Irregularity, $V_I$ | -1.2        | -1.2| -1.2| -1.0| -1.0| -1.0| -1.0| -0.8| -0.8| -0.6| -0.6| -0.6| -0.6| -0.4| -0.4| -0.4| -0.7| -0.7| -0.7| -0.7| -0.7| -0.7| -0.7| -0.7| -0.7| -0.7| -0.7|
| Moderate Vertical Irregularity, $M_V$ | -0.7        | -0.7| -0.7| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6| -0.6|
| Plan Irregularity, $P_I$ | -1.1        | -1.1| -1.0| -1.0| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8|
| Pre-Code          | -1.1        | -1.1| -1.0| -1.0| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8| -0.8|
| Post-Benchmark    | 1.0         | 1.9| 1.9| 2.2| 1.4| 1.4| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1| 1.1|
| Soil Type A or B  | 0.1         | 0.3| 0.3| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5| 0.5|
| Soil Type E (1-3 stories) | 0.2         | 0.2| 0.2| 0.1| 0.1| 0.2| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1| 0.1|
| Soil Type E (≥ 3 stories) | -0.3       | -0.6| -0.6| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2| -0.2|

**Minimum Score, $S_M$:** 1.7

**Final Level 1 Score, $S_L$:** 2.8

---

### Other Hazards

**Are There Hazards That Trigger a Detailed Structural Evaluation?**
- Yes
- No

**Contact Person:**

---

### Level 2 Screening Performed?
- Yes
- No

**Action Required**
- Detailed Structural Evaluation Required?
  - Yes
  - No
- Nonstructural Hazards Identified that should be evaluated?
  - Yes
  - No
- Nonstructural hazards exist that may require mitigation, but a detailed evaluation is not necessary?
  - Yes
  - No

---

**Legend:**
- MRGF = Moment-Resisting Frame
- RC = Reinforced concrete
- BRC = Bonded Frame
- SW = shear wall
- MTC = Multistory Concrete
- URM INF = Unreinforced masonry, infill
- MT = Multi-story frame
- LT = Low rise
- LVE = Light steel
- FD = Flexible diaphragm
- RD = Rigid diaphragm

---

**Where Information cannot be verified, screeners shall note the following:**
- EST = Estimated or unreliable data
- OR = DNK = Do Not Know
Rapid Visual Screening of Buildings for Potential Seismic Hazards
FEMA P-154 Data Collection Form

Address: Jl. Maysolek Sutoyo No. 5A, Sidohargo
Kec. Pacitan Kab. Pacitan zip: 63518

Other Identifiers:
Building Name: SMP Negeri 3 Pacitan
User: Bangunan Sekolah
Latitude: -8.201082 Longitude: 111.082319
S1: 1.045 S2: 0.922

Screener(s): Karya R. H. Date/Time: 

No. Stories: Above Grade: 1 Below Grade: 1 Year Built: 2011
Total Floor Area (sq. ft.): 12,794 m²
Code Year:
Additions: □ None □ Yes, Year(s) Built:
Occupancy: Assembly Commercial Emer. Services □ Historic □ Shelter
Industrial Office School □ Government
Utility Warehouse Residential, # Units:
Soil Type: □ A □ B □ C □ D □ E □ F □ DNK
Hard Avg Dense Stiff Soft Poor If DNK, assume Type D.

Geologic Hazards: Liquefaction: Yes/No/DNK Landslide: Yes/No/DNK Surf. Rupt.: Yes/No/DNK
Adjacency: □ Pounding □ Falling Hazards from Taller Adjacent Building
Irregularities: □ Vertical (type/severity) □ Plan (type):
Exterior Falling Hazards: □ Unbraced Chimneys □ Heavy Glazing or Heavy Veneer
□ Pampets □ Appendages □ Other:

COMMENTS:

SKETCH

□ Additional sketches or comments on separate page

BASIC SCORE, MODIFIERS, AND FINAL LEVEL 1 SCORE, S1

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<th>W2</th>
<th>W1B</th>
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<th>S2 (BR)</th>
<th>S3 (LM)</th>
<th>S4 (PC)</th>
<th>S5 (URM)</th>
<th>S5 (IRM)</th>
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</table>

Minimum Score, S_m: 1.1

FINAL LEVEL 1 SCORE, S_L: 3.4

EXTENT OF REVIEW

Exterior: □ Partial □ All Sides □ Aerial
Interior: □ None □ Visible □ Entered
Drawings Reviews: □ Yes □ No

Type of Source: Geologic Hazards Source:
Contact Person:

LEVEL 2 SCREENING PERFORMED?

□ Yes, Final Level 2 Score, S_L: No
Nonstructural hazards?: □ Yes □ No

OTHER HAZARDS

Are There Hazards That Trigger A Detailed Structural Evaluation?
□ Pounding potential (unless S_L > cut-off, if known)
□ Falling hazards from taller adjacent building
□ Geologic hazards or Soil Type F
□ Significant damage/detoxication to the structural system

ACTION REQUIRED

Detailed Structural Evaluation Required?
□ Yes, unknown FEMA building type or other building
□ Yes, score less than cut-off
□ Yes, other hazards present
□ No

Detailed Nonstructural Evaluation Recommended? (check one)
□ Yes, nonstructural hazards identified that should be evaluated
□ No, nonstructural hazards exist that may require mitigation, but a detailed evaluation is not necessary
□ No, no nonstructural hazards identified

Where information cannot be verified, screener shall note the following: EST = Estimated or unreliable data OR DNK = Do Not Know

Legend:
MRF = Moment-resisting frame
Ro = Reinforced concrete
BR = Braced frame
DSN, INR = Uncracked concrete wall
U = Unbraced
Tu = Tilt-up
LM = Light metal
MR = Masonry
RO = Rigid diaphragm
Rapid Visual Screening of Buildings for Potential Seismic Hazards
FEMA P-154 Data Collection Form

Address: Jl. Moyend Sutoyo No. 54, Panji, Sidoharjo
Kec. Pacitan Kab. Pacitan Zip: 63518

Other Identifiers: -
Building Name: SMP 3 Pacitan
Use: Bangunon Sekolah
Latitude: -8.26183 Longitude: 111.082319
S: 1.095 S*: 0.422
Screener(s): Komna R.M.
Date/Time: __________

No. Stories: Above Grade: 1 Below Grade: - Year Built: 2011 EST
Total Floor Area (sq. ft.): 17,794 Code Year: 
Additions: [ ] None [ ] Yes, Year(s) Built: [ ] 2011
Occupancy: [ ] Assembly [ ] Commercial [ ] Industrial [ ] Government
[ ] Office [ ] Eng. Services [ ] Decorative [ ] Government
[ ] Utility [ ] Warehouse [ ] Residential, # Units: 

Soil Type:
[ ] A [ ] B [ ] C [ ] D [ ] E [ ] F [ ] DNK
[ ] Hard [ ] Avg [ ] Dense [ ] Soft [ ] Poor [ ] Other

Geologic Hazards:
Liquefaction: Yes/No/DNK Landslide: Yes/No/DNK Surf. Rupt: Yes/No/DNK

Adjacency:
[ ] Pounding [ ] Falling Hazards from Taller Adjacent Building

Irregularities:
[ ] Vertical (type/severity) [ ] Plan (type)

Exterior Falling Hazards:
[ ] Unreinforced Chimneys [ ] Heavy Cladding or Heavy Veneer

Comments:

Sketch:

BASIC SCORE, MODIFIERS, AND FINAL LEVEL 1 SCORE, Sf:

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<th>FEMA BUILDING TYPE</th>
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<th>W2</th>
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<th>S4 (RC)</th>
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FINAL LEVEL 1 SCORE, Sf = Smin + W1

OTHER HAZARDS:
Are There Hazards That Trigger A Detailed Structural Evaluation?
[ ] Pounding potential (unless Sf > cut-off, if known)
[ ] Falling hazards from taller adjacent building

ACTION REQUIRED:
Detailed Structural Evaluation Required?
[ ] Yes, unknown FEMA building type or other building
[ ] Yes, score less than cut-off
[ ] Yes, other hazards present
[ ] No

Detailed Nonstructural Evaluation Recommended? (check one)
[ ] Yes, nonstructural hazards identified that should be evaluated
[ ] Yes, nonstructural hazards exist that may require mitigation, but a detailed evaluation is not necessary
[ ] No, no nonstructural hazards identified

LEVEL 2 SCREENING PERFORMED?
[ ] Yes, Final Level 2 Score, S2c = __________
[ ] Yes, nonstructural hazards = __________

Legend:
MRF = Moment-resisting frame RC = Reinforced concrete
BR = Braced frame SW = Shear wall
LT = Lift-up UNM = Unfinished masonry wall MH = Manufactured Housing
DF = Ductile diaphragm RO = Rigid diaphragm

Where information cannot be verified, screener shall note the following: EST = Estimated or unreliable data OR DNK = Do Not Know
Rapid Visual Screening of Buildings for Potential Seismic Hazards
FEMA P-154 Data Collection Form

Address: Jl. Mayjen Suparto No 24, Petuk	Sidohapo, Reg. Pacitan	zip: 63518
Other Identifiers:
Building Name: SMP Negeri 3 Pacitan
Use: Bangunan Sekolah
Latitude: -8.201082 Longitude: 111.082319
S1: 1.095 S2: 0.422
Screener(s): Karmi R.N. Date/Time:

No. Stories: Above Grade: 4 Below Grade: 1 Year Built: 2010
Total Floor Area (sq. ft.): 12,794 m² Code Year:
Additions: None Yes Year(s) Built:
Occupancy: Assembly Commercial Fire Services Historic Other:
Industrial Office Historic Other:
Utility Warehouse Historic Other:
Residential # Units:
Soil Type: A B C D E F DNK
Geologic Hazards: Liquidation Yes No DNK
Larderlite: Yes No DNK Surf. Rupt: Yes No DNK

Adjacencies:
Irregularities:
Exterior Falling Hazards:

COMMENTS:

Sketch

FEMA Building Type Do Not Know W1 W2 W3 S1 (NR) S2 (SR) S3 (LV) S4 (RC) S5 (UM) C1 C2 (GW) C3 (UM) (NF) PC2 RM1 (FD) RM2 (RD) URM MH
Basic Score
Severe Vertical Irregularity, V1 -1.2 1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2
Moderate Vertical Irregularity, V2 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7 -0.7
Plan Irregularity, P1 -1.1 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
Pre-Code -1.1 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
Post-Benchmark -1.1 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
Soil Type A or B -0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
Soil Type E (1-3 stories) -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2
Soil Type E (> 3 stories) -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3
Minimum Score Sum: 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7

FINAL LEVEL 1 SCORE, S1 = Score:

EXTENT OF REVIEW
Exterior: Yes No Partial All Sites Aerial Drawings Reviewed:
Interior: Yes No Visible None
Soft Story Source:
Geologic Hazards Source:
Contact Person:

OTHER HAZARDS
Are There Hazards That Trigger A Detailed Structural Evaluation?
- Pounding potential (unless S2 > cut-off, if known)
- Falling hazards from taller adjacent building
- Geologic hazards or Soil Type F
- Significant damage/deterioration to the structural system

ACTION REQUIRED
Detailed Structural Evaluation Required?
- Yes, unknown FEMA building type or other building
- Yes, score less than cut-off
- Yes, other hazards present
- No

Detailed Nonstructural Evaluation Recommended? (check one)
- Yes, nonstructural hazards identified that should be evaluated
- No, nonstructural hazards exist that may require mitigation, but a detailed evaluation is unnecessary
- No, nonstructural hazards identified

Where information cannot be verified, screener shall note the following: EST = Estimated or unreliable data OR DNK = Do Not Know

Legend:
MRF = Moment-frame Reinforced
RC = Reinforced Concrete
SW = Shear Wall
UM = Unreinforced Masonry
IM = Infill
M = Masonry
FD = Fixed Diaphragm
R = Rigid Diaphragm
BR = Braced Frame
ML = Moment-Resisting
LR = Light-Resisting
LIF = Lateral Force
### Basic Score, Modifiers, and Final Level 1 Score, $S_L$

<table>
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<tr>
<th>FEMA Building Type</th>
<th>Do Not Know</th>
<th>W1</th>
<th>W1A</th>
<th>W2</th>
<th>S1 (NRMP)</th>
<th>S2 (HR)</th>
<th>S3 (LRMP)</th>
<th>S4 (IND)</th>
<th>S5</th>
<th>S6</th>
<th>C1 (MOP)</th>
<th>C2 (SW)</th>
<th>C3 (ER)</th>
<th>PC1</th>
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Minimum score, $S_{L_{min}}$: 1.1

Final Level 1 Score, $S_L$: 2.3

### Extent of Review
- Exterior: None
- Interior: Visible
- Drawings Reviewed: Yes
- Soil Type Source: None
- Geologic Hazards Source: None

### Level 2 Screening Performed?
- Yes: False

### Other Hazards
- Are There Hazards That Trigger A Detailed Structural Evaluation?
  - Yes: No
  - No: Yes
- Geologic Hazards or Soil Type F: Significant damage/deterioration to the structural system

### Action Required
- Detailed Structural Evaluation Required?
  - Yes: Unknown FEMA building type or other building
  - No: Other hazards present
- Nonstructural hazards identified: No

### Level 1 Score, $S_L$

2.3
Rapid Visual Screening of Buildings for Potential Seismic Hazards
FEMA P-154 Data Collection Form

Address: Jl. Letjend Suprapto No 49, Poso
Kec. Pacitan Kab. Pacitan Zip: 63515

Other Identifiers: -

Building Name: SMA Negeri 1 Pacitan
Use: Bangunan Sekolah

Latitude: 8.205144
Longitude: 111.092617
S1: 1.044
S2: 0.422
Screener: Koring R.N.

No. Stories: Above Grade: 1
Below Grade: 1
Total Floor Area (sq. ft.): 2,343
Code Year: 1969

Occupancy: Assembly

Soil Type: □ A □ B □ C □ D □ F □ GNK

Geologic Hazards: Liquefaction: Yes/No/FN/K
Adjacent: Yes/No/FN/Non

Adjacency: Vertical (type/severity): □
Plan type: □ - shaped

Irregularities: □

Exterior: Falling Hazards:

 COMMENTS:

BASIC SCORE, MODIFIERS, AND FINAL LEVEL 1 SCORE, S1

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<th>FEMA BUILDING TYPE</th>
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<th>W1</th>
<th>W1A</th>
<th>W2</th>
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<th>S2</th>
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<th>C2</th>
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<tr>
<td>Soil Type A or B</td>
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FINAL LEVEL 1 SCORE, S1: 2.8

EXTENT OF REVIEW

Exterior: □ Partial □ All Sites □ Aerial
Interior: □ None □ Visible □ Entered
Drawings Reviewed: □ Yes □ No
Geologic Hazards: □ Yes □ No

OTHER HAZARDS

Are There Hazards That Trigger A Detailed Structural Evaluation?

□ Pounding potential (unless S2 > cut-off, if known)
□ Falling hazards from taller adjacent building
□ Geologic hazards or Soil Type F
□ Significant damage/deterioration to the structural system

ACTION REQUIRED

Detailed Structural Evaluation Required?

□ Yes, unknown FEMA building type or other building
□ Yes, score less than cut-off
□ Yes, other hazards present
□ No

Detailed Nonstructural Evaluation Recommended? (check one)

□ Yes, nonstructural hazards identified that should be evaluated
□ No, nonstructural hazards exist that may require mitigation, but a detailed evaluation is not necessary
□ No, no nonstructural hazards identified

LEVEL 2 SCREENING PERFORMED?

□ Yes, Final Level 2 Score, S2: □ Yes □ No

Legend:
MRE = Moment-resistant Frame
RC = Reinforced concrete
SW = Shear wall
UMR INF = Unreinforced masonry infill
MT = Masonry/Reinforced Housing
FD = Flexible diaaphragm
RD = Rigid diaaphragm

Where information cannot be verified, screener shall note the following: EST = Estimated or unavailable data OR DNK = Do Not Know
**Rapid Visual Screening of Buildings for Potential Seismic Hazards**

**FEMA P-154 Data Collection Form**

**Level 1**

**HIGH Seismicity**

**Address:** JL. A.Yani No. 43 Recamatan, Pakitan, Kabupaten Puncak, Zip: 03391

**Other Identifiers:**
- Building Name: SD Negara Balenima 2
- Use: Pendidikan Sekolah
- Latitude: -8.195940
- Longitude: 111.102373
- Ts: 1.048
- 8: 0.422
- Screener(s): Korina R11
- Date/Time: __________

**No. Stories:** Above Grade: 1, Below Grade: __________, Year Built: 1970 / 1971, Code Year: __________

**Total Floor Area (sq. ft.):** __________

**Additions:** None, Yes, Year(s) Built: __________

**Occupancy:** Assembly, Commercial, Edu. Services, Historic, Shelter, Government

**Soil Type:**
- A
- B
- C
- D
- E
- F
- DNK

**Geologic Hazards:** Liquefaction: Yes/No, DNK, Landslide: Yes/No, DNK, Surf. Rupt.: Yes/No, DNK

**Adjacency:** Pounding: No, Falling Hazards from Taller Adjacent Building: No

**Irregularities:**
- Vertical (Type/severity): __________
- Plan (Type): __________

**Exterior Falling Hazards:**
- Unobstructed Chimneys: Yes, Heavy Cladding or Heavy Veneer: No, Other: __________

**COMMENTS:**

**SKETCH:**

**BASIC SCORE, MODIFIERS, AND FINAL LEVEL 1 SCORE, S_{f1}**

<table>
<thead>
<tr>
<th>FEMA BUILDING TYPE</th>
<th>Do Not Know</th>
<th>W1</th>
<th>W2</th>
<th>W3</th>
<th>W4</th>
<th>W5</th>
<th>W6</th>
<th>W7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Score</td>
<td>3.6</td>
<td>3.2</td>
<td>2.9</td>
<td>2.1</td>
<td>2.0</td>
<td>2.6</td>
<td>2.0</td>
<td>1.7</td>
</tr>
<tr>
<td>Severe Vertical Irregularity, W_{vi}</td>
<td>-1.2</td>
<td>-1.2</td>
<td>-1.2</td>
<td>-1.0</td>
<td>-1.0</td>
<td>-1.1</td>
<td>-1.0</td>
<td>-0.9</td>
</tr>
<tr>
<td>Moderate Vertical Irregularity, W_{mi}</td>
<td>-0.7</td>
<td>-0.7</td>
<td>-0.7</td>
<td>-0.6</td>
<td>-0.6</td>
<td>-0.7</td>
<td>-0.6</td>
<td>-0.5</td>
</tr>
<tr>
<td>Plan Irregularity, P_{pl}</td>
<td>-1.1</td>
<td>-1.1</td>
<td>-1.0</td>
<td>-1.0</td>
<td>-0.7</td>
<td>-0.9</td>
<td>-0.7</td>
<td>-0.8</td>
</tr>
<tr>
<td>Precode</td>
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<td>-1.0</td>
<td>-0.9</td>
<td>-0.9</td>
<td>-0.8</td>
<td>-0.8</td>
<td>-0.8</td>
<td>-0.7</td>
</tr>
<tr>
<td>Post-Benchmark</td>
<td>1.8</td>
<td>1.9</td>
<td>2.2</td>
<td>2.2</td>
<td>1.4</td>
<td>1.4</td>
<td>1.1</td>
<td>1.9</td>
</tr>
<tr>
<td>Soil Type A or B</td>
<td>0.1</td>
<td>0.3</td>
<td>0.5</td>
<td>0.4</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
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<tr>
<td>Soil Type E (1-3 stories)</td>
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<td>0.2</td>
<td>0.2</td>
<td>0.1</td>
<td>0.2</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Soil Type F (4 or more stories)</td>
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<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
</tr>
</tbody>
</table>

**Minimum Score, S_{min}:** 1.1

**FINAL LEVEL 1 SCORE, S_{f1} = S_{min}:**

**OTHER HAZARDS**

- Are There Hazards That Trigger A Detailed Structural Evaluation?
  - Pounding potential (unless S_{f1} < cut-off, if known): __________
  - Falling hazards from taller adjacent building: __________

**ACTION REQUIRED**

- Detailed Structural Evaluation Required:
  - Yes, unknown FEMA building type or other building: __________
  - Yes, score less than 2: __________
  - No, other hazards present: __________

- Detailed Nonstructural Evaluation Recommended:
  - Yes, nonstructural hazards identified that should be evaluated: __________
  - No, nonstructural hazards exist that may require mitigation, but a detailed evaluation is not necessary: __________

Where information cannot be verified, screener shall note the following: EST = Estimated or unreliable data, OR DNK = Do Not Know

Legend:
- MR = Masonry/resisting frame
- RC = Reinforced concrete
- BR = Brick/stone
- SW = Steel/wood
- UT = Unfired masonry
- TM = Terracotta/bricks
- UM = Unfired masonry
- PD = Prestressed concrete
- RD = Rigid diaphragm
- EM = Engineered materials